About Us

Hikvision Digital Technology Co., Ltd., the leading supplier of digital video surveillance products with the headquarters in China, has three decades of experience in research and development of video technology. Since its establishment in 2001, Hikvision has launched several generations of high performance surveillance products to build up a complete video surveillance product line. From A/V Compression Boards, Embedded Net DVRs and Multi-purpose Digital Video Servers, to networked front-end products such as IP Cameras and IP Speed Domes, Hikvision provides the most advanced H.264 solution for digital surveillance industry based on its owned patented algorithms.

Hikvision has always been persisting in technical innovation, product improvement, so as to provide our partners and customers with better products and services. On the other hand, Hikvision also looks into the future to put in resources for developing next-generation surveillance products and technologies. The goal of Hikvision is to provide the surveillance products that meet various market demands.

With 1700 employees located all over China and around the world, in which 500 are R&D engineers, Hikvision has expanded the business from China to worldwide. The dynamic growth has made the company awarded three years in a roll by Deloitte as Top 50 High-tech Fast-growing Enterprise in China, as well as Forbes' Most Potential SMEs in China (No. 4 in 2008) among others.

Hikvision's products have been securing numerous critical security applications worldwide, including retail, airports, railways, banks, and stadiums among others. One of the prime examples is 2008 Beijing Olympics. Hikvision was selected to provide its high-performance surveillance products and technical supports to enable the monitoring solutions in "Bird Nest", the National Olympics Stadium, and was awarded for its remarkable contribution of securing 2008 Olympic Games. Hikvision is honored to provide a secured environment for those involved in all aspects of the games. The award has given us the motivation to develop more reliable products for the surveillance industry.

Hikvision is determined, with the culture of striving for excellence, to become the first choice for security professionals in digital surveillance industry.

For more information, please visit our website at www.hikvision.com.

INDEX

HIKVISION

www.hikvision.com

DS-2CD862MF-E CCD-based 1.3-megapixel Network Camera

SUPREME
VIDEO QUALITY

By adopting 1/3" Sony progressive scan CCD, DS-2CD862MF-E 1.3-megapixel Network Camera can offer high-definition video quality with enhanced sensitivity in low-light scenarios. And its advanced auto iris, Wide Dynamic and Back Light Compensation technologies enable the product to provide clear images in various lighting conditions.

- 1/3 inch SONY progressive scan CCD
- MPEG4 video codec
- Use ICR for Day & Night switch
- Support auto iris
- Support motion detection
- Support SD card for local storage

Also Available »   Standalone DVR   Digital Video Server   Speed Dome   Network Camera   Compression Board

UL CE FC RoHS ISO9001:2000 ISO14001

Model Name Coding Rule

Speed Dome

	DS	-2	A	M	1-	6	1	3	X
DS-2AM1-613X	DS	-2	A	M	1-	6	1	3	X
DS-2DF1-602H	DS	-2	D	F	1-	6	0	2	H
DS-2DF1-401E	DS	-2	D	F	1-	4	0	1	E
	①		②	③		④	⑤	⑥	⑦

① "DS" — — Digital Surveillance products of HIKVISION

② "A" — — Analogue speed dome
"D" — — IP speed dome

③ "F" — — Dome with high speed
"M" — — Dome with normal speed

④ "6" — — 6 inch speed dome
"4" — — 4 inch speed dome

⑤ "0" — — Indoor speed dome
"1" — — Outdoor speed dome

⑥ — — — — The number stands for different camera modules with different optical zoom times

⑦ "X" — — Speed dome with new structure
"E" — — Speed dome support PoE function
"H" — — Support HIKVISION DS-9000 Series NVR

Camera

	DS	-2	C	C	1	9	5	P		-A
DS-2CC195P-A	DS	-2	C	C	1	9	5	P		-A
DS-2CZ232N	DS	-2	C	Z	2	3	2	N		
DS-2CD752MF-FB	DS	-2	C	D	7	5	2	M	F	-FB
DS-2CD732F-E	DS	-2	C	D	7	3	2		F	-E
	①		②	③	④	⑤	⑥	⑦	⑧	⑨

① "DS" — — Digital Surveillance products of HIKVISION

② "C" — — Color camera

③ "C" — — Analogue camera
"Z" — — Zoom camera
"D" — — IP camera

④ "1" — — Analogue box camera
"2" — — Zoom camera
"5" — — Analogue dome camera
"7" — — IP dome camera
"8" — — IP box camera

⑤ "0" — — Low resolution (420TVL)
"1" — — Normal resolution (480TVL)
"3" — — 350000 pixels resolution or 22 times optical zoom for zoom camera
"5" — — 2 mega pixels resolution or 23 times optical zoom for zoom camera
"6" — — 1.3 mega pixels resolution
"9" — — High resolution (540TVL)

⑥ "1" — — Stand for box camera with switch in rear panel, or dome camera with switch control
"2" — — Stand for box camera, color camera
"3" — — Stand for box camera with OSD menu, or dome camera with switch
"5" — — Stand for box camera, low illumination
"7" — — Stand for box camera, wide dynamic range camera

⑦ "P" — — PAL signal system
"N" — — NTSC signal system
"M" — — Mega pixels camera

⑧ "F" — — Support SD/SDHC card

⑨ "-FB" — — Vandal proof housing
"-A" — — Support AC24V/DC12V
"-IR/IR1" — 10 to 20 meters effective IR distance
"-IR3"— — 30 to 40 meters effective IR distance
"-IR5"— — 50 to 60meters effective IR distance
"-IRA"— — 100 to 110 meters effective IR distance
"-E" — — PoE power supply
"-W" — — Wireless

HIKVISION ANALOG SPEED DOME SELECTION

	DS-2AF1-611x DS-2AF1-601x	DS-2AF1-613x DS-2AF1-603x	DS-2AF1-615x DS-2AF1-605x	DS-2AF1-617x DS-2AF1-607x	DS-2AF1-612x DS-2AF1-602x	DS-2AF1-614x DS-2AF1-604x	DS-2AF1-616x DS-2AF1-606x	DS-2AF1-401	DS-2AF1-402	DS-2AM1-612X DS-2AM1-602X	DS-2AM1-613X DS-2AM1-603X	DS-2AM1-614X DS-2AM1-604X
Model	P14	P14	P14	P14	P16	P16	P16	P18	P18	P20	P20	P20
Image Sensor	1/4 inch SONY EXVIEW CCD	1/4 inch SONY EXVIEW CCD	1/4 inch SONY EXVIEW CCD	1/4 inch SONY EXVIEW CCD	1/4 inch Sony Super HAD CCD	1/4 inch Sony Super HAD CCD	1/4 inch Interline Transfer CCD	1/4 Inch Interline Transfer SONY CCD	1/4 inch SONY EXVIEW HAD CCD	1/4 inch SONY EXVIEW CCD	1/4 inch Sony Super HAD CCD
Effective Pixels	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V)	PAL: 752 (H)×582 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)
Horizontal Resolution	480TVL	480TVL	480TVL	480TVL	480TVL	480TVL(Color) 520TVL(B/W)	540TVL(Color) 570TVL(B/W)	500TVL(Color) 570TVL(B/W)	530TVL	480TVL	480TVL	480TVL(Color) 520TVL(B/W)
Min. Illumination	1.0Lux / F1.4	0.7Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	1.0Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	1.4Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	0.1Lux / F1.6	0.2Lux / F1.6 (Color) 0.02Lux / F1.6 (B/W)	0.8Lux / F1.4 (Color) 0.04Lux / F1.4 (B/W)	0.7Lux / F1.4 0.02Lux / F1.4 (ICR ON)	1.0Lux / F1.4	0.1Lux / F1.6	0.7Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	0.2Lux / F1.6 (Color) 0.02Lux / F1.6 (B/W)
Day&Night	Electronic	ICR	ICR	ICR	Electronic	ICR	ICR	ICR	Electronic	Electronic	ICR	ICR
Digital Zoom	Up to 12x	Up to 12x	Up to 12x	Up to 12x	-	-	Up to 16x	Up to 10x	Up to 12x	-	Up to 12x	-
Zoom Ratio	4.1-73.8mm, 18x	4.1-73.8mm, 18x	3.5-91mm, 26x	3.4-122.4mm, 36x	3.9-85.8mm, 22x	3.84-88.4mm, 23x	3.5-105mm, 30x	3.8-38mm, 10x	4.2-42mm, 10x	3.9-85.8mm, 22x	4.1-73.8mm, 18X	3.84-88.4mm, 23X
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
Pan Speed	Manual: Max. 0.3°/s-300°/s Preset: up to approx. 400°/s	Manual: Max. 0.3°/s-300°/s Preset: up to approx. 400°/s	Manual: Max. 0.3°/s-300°/s Preset: up to approx. 400°/s	Manual: Max. 0.3°/s-300°/s Preset: up to approx. 400°/s	Manual: Max. 0.3°/s-300°/s Preset: up to approx. 400°/s	Manual: Max. 0.3°/s-300°/s Preset: up to approx. 400°/s	Manual: Max. 0.3°/s-300°/s Preset: up to approx. 400°/s	Manual: Max. 0.3°/s-300°/s Preset: up to approx. 400°/s	Manual: Max. 0.3°/s-300°/s Preset: up to approx. 400°/s	Manual: approx. 0.2°/s-75°/s Preset: up to approx. 75°/s	Manual: approx. 0.2°/s-75°/s Preset: up to approx. 75°/s	Manual: approx. 0.2°/s-75°/s Preset: up to approx. 75°/s
Tilt Range	0°~90° (Auto flip)	0°~90° (Auto flip)	0°~90° (Auto flip)	0°~90° (Auto flip)	0°~90° (Auto flip)	0°~90° (Auto flip)	0°~90° (Auto flip)	0°~90° (Auto flip)	0°~90° (Auto flip)	0°~90°	0°~90°	0°~90°
Tilt Speed	Manual: Max. 0.5°/s-90°/s Preset: up to approx. 150°/s	Manual: Max. 0.5°/s-90°/s Preset: up to approx. 150°/s	Manual: Max. 0.5°/s-90°/s Preset: up to approx. 150°/s	Manual: Max. 0.5°/s-90°/s Preset: up to approx. 150°/s	Manual: Max. 0.5°/s-90°/s Preset: up to approx. 150°/s	Manual: Max. 0.5°/s-90°/s Preset: up to approx. 150°/s	Manual: Max. 0.5°/s-90°/s Preset: up to approx. 150°/s	Manual: Max. 0.3°/s-90°/s Preset: up to approx. 150°/s	Manual: approx. 0.2°~50°/s Preset: up to approx. 50°/s	Manual: approx. 0.2°~50°/s Preset: up to approx. 50°/s	Manual: approx. 0.2°~50°/s Preset: up to approx. 50°/s
Number of Preset	250	250	250	250	250	250	250	250	250	104	104	104
Patrols	8	8	8	8	8	8	8	8	8	3	3	3
Patterns	4	4	4	4	4	4	4	4	4	-	-	-
Alarm Input	7 channels	7 channels	7 channels	7 channels	7 channels	7 channels	7 channels	2 channels	2 channels	-	-	-
Alarm Output	2 channels	2 channels	2 channels	2 channels	2 channels	2 channels	2 channels	1 channels	1 channels	-	-	-
RS-485 Protocols	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive
Working Temperature	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-10°C ~ 50°C (indoor)	-10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)

HIKVISION IP SPEED DOME SELECTION

Model	DS-2DF1-611H DS-2DF1-601H	DS-2DF1-613H DS-2DF1-603H	DS-2DF1-615H DS-2DF1-605H	DS-2DF1-617H DS-2DF1-607H	DS-2DF1-612H DS-2DF1-602H	DS-2DF1-614H DS-2DF1-604H	DS-2DF1-616H DS-2DF1-606H	DS-2DF1-401E	DS-2DF1-402E	DS-2DM1-612H DS-2DM1-602H	DS-2DM1-613H DS-2DM1-603H	DS-2DM1-614H DS-2DM1-604H
	P22	P22	P22	P22	P24	P24	P24	P26	P26	P28	P28	P28
Image Sensor	1/4 inch SONY EXVIEW CCD	1/4 inch SONY EXVIEW CCD	1/4 inch SONY EXVIEW CCD	1/4 inch SONY EXVIEW CCD	1/4 inch Sony Super HAD CCD	1/4 inch Sony Super HAD CCD	1/4 inch Interline Transfer CCD	1/4 inch Interline Transfer SONY CCD	1/4 Inch Sony EXVIEW HAD CCD	1/4 inch Sony EXVIEW CCD	1/4 inch SONY EXVIEW CCD	1/4 inch Sony Super HAD CCD
Effective Pixels	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V)	PAL: 752 (H)×582 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)
Horizontal Resolution	480TVL	480TVL	480TVL	480TVL	480TVL	480TVL(Color) 520TVL(B/W)	540TVL(Color) 570TVL(B/W)	500TVL(Color) 570TVL(B/W)	530TVL	480TVL	480TVL	480TVL(Color) 520TVL(B/W)
Min. Illumination	1.0Lux / F1.4	0.7Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	1.0Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	1.4Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	0.1Lux / F1.6	0.2Lux / F1.6 (Color) 0.02Lux / F1.6 (B/W)	0.8Lux / F1.4 (Color) 0.04Lux / F1.4 (B/W)	0.7Lux / F1.4 0.02Lux / F1.4 (ICR ON)	1.0Lux / F1.4	0.1Lux / F1.6	0.7Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	0.2Lux / F1.6 (Color) 0.02Lux / F1.6 (B/W)
Day&Night	Electronic	ICR	ICR	ICR	Electronic	ICR	ICR	ICR	Electronic	Electronic	ICR	ICR
Digital Zoom	Up to 12x	Up to 12x	Up to 12x	Up to 12x	-	-	Up to 16x	Up to 10x	Up to 12x	-	Up to 12x	-
Zoom Ratio	4.1-73.8mm, 18x	4.1-73.8mm, 18x	3.5-91mm, 26x	3.4-122.4mm, 36x	3.9-85.8mm, 22x	3.84-88.4mm, 23x	3.5-105mm, 30x	3.8-38mm, 10x	4.2-42mm, 10x	3.9-85.8mm, 22x	4.1-73.8mm, 18X	3.84-88.4mm, 23X
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
Pan Speed	Manual: Max. 0.3°/s-300°/s Preset: up to approx. 400°/s	Manual: Max. 0.3°/s-300°/s Preset: up to approx. 400°/s	Manual: Max. 0.3°/s-300°/s Preset: up to approx. 400°/s	Manual: Max. 0.3°/s-300°/s Preset: up to approx. 400°/s	Manual: Max. 0.3°/s-300°/s Preset: up to approx. 400°/s	Manual: Max. 0.3°/s-300°/s Preset: up to approx. 400°/s	Manual: Max. 0.3°/s-300°/s Preset: up to approx. 400°/s	Manual: Max. 0.7°/s-160°/s Preset: up to approx. 400°/s	Manual: Max. 0.7°/s-160°/s Preset: up to approx. 400°/s	Manual: approx. 0.3°/s-75°/s Preset: up to approx. 75°/s	Manual: approx. 0.3°/s-75°/s Preset: up to approx. 75°/s	Manual: approx. 0.3°/s-75°/s Preset: up to approx. 75°/s
Tilt Range	0°~90° (Auto flip)	0°~90° (Auto flip)	0°~90° (Auto flip)	0°~90° (Auto flip)	0°~90° (Auto flip)	0°~90° (Auto flip)	0°~90° (Auto flip)	0°~90° (Auto flip)	0°~90° (Auto flip)	0°~90°	0°~90°	0°~90°
Tilt Speed	Manual: Max. 0.5°/s-90°/s Preset: up to approx. 150°/s	Manual: Max. 0.5°/s-90°/s Preset: up to approx. 150°/s	Manual: Max. 0.5°/s-90°/s Preset: up to approx. 150°/s	Manual: Max. 0.5°/s-90°/s Preset: up to approx. 150°/s	Manual: Max. 0.5°/s-90°/s Preset: up to approx. 150°/s	Manual: Max. 0.5°/s-90°/s Preset: up to approx. 150°/s	Manual: Max. 0.5°/s-90°/s Preset: up to approx. 150°/s	Manual: Max. 0.7°/s-90°/s Preset: up to approx. 150°/s	Manual: Max. 0.7°/s-90°/s Preset: up to approx. 150°/s	Manual: approx. 0.85°/s-50°/s Preset: up to approx. 50°/s	Manual: approx. 0.85°/s-50°/s Preset: up to approx. 50°/s	Manual: approx. 0.85°/s-50°/s Preset: up to approx. 50°/s
Number of Preset	200	200	200	200	200	200	200	200	200	200	200	200
Patrols	8	8	8	8	8	8	8	8	8	8	8	8
Patterns	4	4	4	4	4	4	4	4	4	4	4	4
Video Compression	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264
Max. Image Resolution	PAL: 704×576 NTSC: 704×480	PAL: 704×576 NTSC: 704×480	PAL: 704×576 NTSC: 704×480	PAL: 704×576 NTSC: 704×480	PAL: 704×576 NTSC: 704×480	PAL: 704×576 NTSC: 704×480	PAL: 704×576 NTSC: 704×480	PAL: 704×576 NTSC: 704×480	PAL: 704×576 NTSC: 704×480	PAL: 704×576 NTSC: 704×480	PAL: 704×576 NTSC: 704×480	PAL: 704×576 NTSC: 704×480
Frame Rate	25fps (704×576) 30fps (704×480)	25fps (704×576) 30fps (704×480)	25fps (704×576) 30fps (704×480)	25fps (704×576) 30fps (704×480)	25fps (704×576) 30fps (704×480)	25fps (704×576) 30fps (704×480)	25fps (704×576) 30fps (704×480)	25fps (704×576) 30fps (704×480)	25fps (704×576) 30fps (704×480)	25fps (704×576) 30fps (704×480)	25fps (704×576) 30fps (704×480)	25fps (704×576) 30fps (704×480)
Multi-level Security	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Alarm Input	2 channels	2 channels	2 channels	2 channels	2 channels	2 channels	2 channels	1 channels	1 channels	1 channels	1 channels	1 channels
Alarm Output	2 channels	2 channels	2 channels	2 channels	2 channels	2 channels	2 channels	1 channels	1 channels	1 channels	1 channels	1 channels
Working Temperature	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-10°C ~ 50°C (indoor)	-10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)	-30°C ~ 60°C (outdoor) -10°C ~ 50°C (indoor)

HIKVISION COLOR CAMERA SELECTION

	DS-2CC193P-A	DS-2CC195P-A	DS-2CC197P-A	DS-2CC191P-A	DS-2CC102P(N)(-A)	DS-2CC112P(N)(-A)	DS-2CC192P(N)(-A)	DS-2CC132P/132N	DS-2CC511P(N)-A	DS-2CC591P(N)-A
Model	P31	P32	P33	P34	P35	P35	P35	P36	P37	P37
Image Sensor	1/3 inch SONY CCD	1/3 inch SONY CCD	1/3 inch SONY vertical double density interline CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/4 inch CMOS	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD
Effective Pixels	752 (H) × 582 (V)	752 (H) × 582 (V)	752 (H) × 582 (V)	752 (H) × 582 (V)	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	640 (H) × 480 (V)	PAL: 752 (H) × 582 (V), NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V), NTSC: 768 (H) × 494 (V)
Horizontal Resolution	540TVL (Color), 600TVL (B/W)	540TVL (Color), 600TVL (B/W)	540TVL (Color), 600TVL (B/W)	540TVL	420TVL	480TVL	540TVL	480TVL	480TVL	540TVL
Signal system	PAL	PAL	PAL	PAL	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC
Min. Illumination	Color: 0.1Lux @ F1.2, 0.0003Lux @ (F1.2, sensitivity × 256) B&W: 0.01Lux @ F1.2, 0.00003Lux @ (F1.2, sensitivity × 256)	Color: 0.02Lux @ F1.2, 0.00012Lux @ (F1.2, sensitivity × 256) B&W: 0.002Lux @ F1.2, 0.000007Lux @ (F1.2, sensitivity × 256)	Color: 0.1Lux @ F1.2, 0.0003Lux @ (F1.2, sensitivity × 256) B&W: 0.01Lux @ F1.2, 0.00003Lux @ (F1.2, sensitivity × 256)	0.05Lux @ F1.2	0.1Lux @ F1.2	0.1Lux @ F1.2	0.1Lux @ F1.2	0.1Lux @ F1.2	0.1Lux @ F1.2	0.1Lux @ F1.2
Lens	C / CS mount DC / Video Drive	C / CS mount DC / Video Drive	C / CS mount DC / Video Drive	C / CS mount DC / Video Drive	C / CS mount DC / Video Drive	C / CS mount DC / Video Drive	C / CS mount DC / Video Drive	C / CS mount	3.5~9mm Auto Iris Lens (2.8-11mm auto iris lens option)	3.5~9mm Auto Iris Lens (2.8-11mm auto iris lens option)
Day & Night	IR Cut Filter Auto Switch	IR Cut Filter Auto Switch	IR Cut Filter Auto Switch	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
S/N Ratio	More than 50dB	More than 50dB	More than 50dB	More than 50dB	More than 48dB	More than 48dB	More than 48dB	More than 48dB	More than 48dB	More than 48dB
Electronic shutter speed	1/50s to 1/100,000s	1/50s to 1/100,000s	1/50s to 1/100,000s	1/50s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/25 s to 1/15,000 s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s
BLC	ON / OFF	ON / OFF	ON / OFF	ON / OFF	ON / OFF	ON / OFF	ON / OFF	ON / OFF	ON / OFF	ON / OFF
WDR	-	-	160X	-	-	-	-	-	-	-
Synchronization	Internal / Power synchronization	Internal / Power synchronization	Internal / Power synchronization	Internal / Power synchronization	Internal synchronization	Internal synchronization	Internal synchronization	Internal synchronization	Internal synchronization	Internal synchronization
OSD	Yes	Yes	Yes	No	No	No	No	No	No	No
Power Supply	24V AC / 20VA ±10%, 12V DC / 300Ma ±10%	24V AC / 20VA ±10%, 12V DC / 300Ma ±10%	24V AC / 20VA ±10%, 12V DC / 300Ma ±10%	24V AC / 12V DC, ±10%	12V DC, ±10%, "-A" series support 12V DC / 24V AC, ±10%.	12V DC, ±10%, "-A" series support 12V DC / 24V AC, ±10%.	12V DC, ±10%, "-A" series support 12V DC / 24V AC, ±10%.	12V DC, ±10%	24V AC / 12V DC, ±10%	24V AC / 12V DC, ±10%
Power Consumption	3W (10W MAX With ICR Working)	3W (10W MAX With ICR Working)	4W (10W MAX With ICR Working)	3W MAX	2W MAX ("-A" series 3.5MAX)	2W MAX ("-A" series 3.5MAX)	2W MAX ("-A" series 3.5MAX)	2W MAX	3.5W MAX	3.5W MAX

Model	DS-2CC593P-A	DS-2CC502P(N)(-A)	DS-2CC512P(N)(-A)	DS-2CC592P(N)	DS-2CC502P(N)-FB	DS-2CC512P(N)-FB	DS-2CC592P(N)-FB	DS-2CC532P/N
	P38	P39	P39	P39	P40	P40	P40	P41
Image Sensor	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/4 inch CMOS
Effective Pixels	PAL: 752 (H) × 582 (V)	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	640 (H) × 480 (V)
Horizontal Resolution	540TVL	420TVL	480TVL	540TVL	420TVL	480TVL	540TVL	480TVL
Signal system	PAL	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC
Min. Illumination	0.05Lux @ F1.2	0.1Lux @ F1.2	0.1Lux @ F1.2	0.1Lux @ F1.2	0.1Lux @ F1.2	0.1Lux @ F1.2	0.1Lux @ F1.2	0.1Lux @ F1.2
Lens	3.7~12mm@F1.6	3.6mm @ F2.0 (2.8mm, 6mm, 8mm, 12mm, 16mm option)	3.6mm @ F2.0 (2.8mm, 6mm, 8mm, 12mm, 16mm option)	3.6mm @ F2.0 (2.8mm, 6mm, 8mm, 12mm, 16mm option)	3.5 ~ 8mm (4 ~ 9mm option)	3.5 ~ 8mm (4 ~ 9mm option)	3.5 ~ 8mm (4 ~ 9mm option)	3.6mm @ F2.0 (2.8mm, 6mm, 8mm, 12mm, 16mm option)
Day & Night	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
S/N Ratio	More than 50dB	More than 48 dB	More than 48 dB	More than 48 dB	More than 48 dB	More than 48 dB	More than 48 dB	More than 48 dB
Electronic shutter speed	1/50s~1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/25s to 1/15,000s
BLC	ON / OFF	ON	ON	ON	ON	ON	ON	ON
Synchronization	Internal / Power Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization
Power Supply	24V AC / 12V DC, ±10%	12V DC, ±10% (-A) Support 24VAC / 12VDC	12V DC, ±10% (-A) Support 24VAC / 12VDC	12V DC, ±10% (-A) Support 24VAC / 12VDC	12V DC, ±10%	12V DC, ±10%	12V DC, ±10%	12V DC, ±10%
Power Consumption	3.5W MAX	2W MAX	2W MAX	2W MAX	2W MAX	2W MAX	2W MAX	2W MAX

	DS-2CC102P(N)-IRA	DS-2CC112P(N)-IRA	DS-2CC192P(N)-IRA	DS-2CC102P(N)-IR	DS-2CC112P(N)-IR	DS-2CC192P(N)-IR	DS-2CC102P(N)-IR3	DS-2CC112P(N)-IR3	DS-2CC192P(N)-IR3
Model	P42	P42	P42	P43	P43	P43	P44	P44	P44
Image Sensor	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD
Effective Pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Horizontal Resolution	420TVL	480TVL	540TVL	420TVL	480TVL	540TVL	420TVL	480TVL	540TVL
Signal system	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC
Min. Illumination	0.1Lux @ F1.2 (0 LUX with IR)	0.1Lux @ F1.2 (0 LUX with IR)	0.1Lux @ F1.2 (0 LUX with IR)	0.1Lux @ F1.2 (0 LUX with IR)	0.1Lux @ F1.2 (0 LUX with IR)	0.1Lux @ F1.2 (0 LUX with IR)	0.1Lux @ F1.2 (0 LUX with IR)	0.1Lux @ F1.2 (0 LUX with IR)	0.1Lux @ F1.2 (0 LUX with IR)
Lens	16mm default (25mm optional)	16mm default (25mm optional)	16mm default (25mm optional)	6mm (3.6mm, 2.8mm option)	6mm (3.6mm, 2.8mm option)	6mm (3.6mm, 2.8mm option)	12mm (3.6mm, 6mm, 8mm, 16mm option)	12mm (3.6mm, 6mm, 8mm, 16mm option)	12mm (3.6mm, 6mm, 8mm, 16mm option)
S/N Ratio	More than 48 dB	More than 48 dB	More than 48 dB	More than 48 dB	More than 48 dB	More than 48 dB	More than 48 dB	More than 48 dB	More than 48 dB
Electronic shutter speed	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s
BLC	ON	ON	ON	ON	ON	ON	ON	ON	ON
Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization
IR Distance	Approx 100 to 110 meters	Approx 100 to 110 meters	Approx 100 to 110 meters	Approx 10 to 20 meters	Approx 10 to 20 meters	Approx 10 to 20 meters	Approx 30 to 40 meters	Approx 30 to 40 meters	Approx 30 to 40 meters
Power Supply	AC 24V±10% (DC 12V±10% Option)	AC 24V±10% (DC 12V±10% Option)	AC 24V±10% (DC 12V±10% Option)	12V DC, ±10%	12V DC, ±10%	12V DC, ±10%	AC 24V±10% (DC 12V±10% Option)	AC 24V±10% (DC 12V±10% Option)	AC 24V±10% (DC 12V±10% Option)
Power Consumption	15W	15W	15W	3W MAX	3W MAX	3W MAX	6W MAX	6W MAX	6W MAX

Model	DS-2CC102P(N)-IR5	DS-2CC112P(N)-IR5	DS-2CC192P(N)-IR5	DS-2CC502P(N)-IR	DS-2CC512P(N)-IR	DS-2CC592P(N)-IR	DS-2CC502P(N)-IR3	DS-2CC512P(N)-IR3	DS-2CC592P(N)-IR3	DS-2CZ232P/N	DS-2CZ252P/N
	P45	P45	P45	P46	P46	P46	P47	P47	P47	P48	P49
Image Sensor	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/4 inch SONY Interline Transfer Super HAD CCD	1/4 inch SONY Interline Transfer Super HAD CCD
Effective Pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Horizontal Resolution	420TVL	480TVL	540TVL	420TVL	480TVL	540TVL	420TVL	480TVL	540TVL	480 TVL	Color: 480 TVL; B/W: 520 TVL
Signal system	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC
Min. Illumination	0.1Lux @ F1.2 (0 LUX with IR)	0.1Lux @ F1.2 (0 LUX with IR)	0.1Lux @ F1.2 (0 LUX with IR)	0.1Lux @ F1.2 (0 LUX with IR)	0.1Lux @ F1.2 (0 LUX with IR)	0.1Lux @ F1.2 (0 LUX with IR)	0.1Lux @ F1.2 (0 LUX with IR)	0.1Lux @ F1.2 (0 LUX with IR)	0.1Lux @ F1.2 (0 LUX with IR)	0.1Lux @ F1.6	Color: 0.2Lux @ F1.6; B/W: 0.02Lux @ F1.6
Lens	16mm (3.6mm, 6mm, 8mm, 12mm option)	16mm (3.6mm, 6mm, 8mm, 12mm option)	16mm (3.6mm, 6mm, 8mm, 12mm option)	6mm (3.6mm, 2.8mm option)	6mm (3.6mm, 2.8mm option)	6mm (3.6mm, 2.8mm option)	12mm (3.6mm, 6mm, 8mm, 16mm option)	12mm (3.6mm, 6mm, 8mm, 16mm option)	12mm (3.6mm, 6mm, 8mm, 16mm option)	22X Optical Zoom F1.6, f=3.9 ~ 85.8mm	23X Optical Zoom F1.6, f=3.84 ~ 88.4mm
Day & Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Electronic, Auto / Color / B&W	IR Cut Filter Auto Switch
S/N Ratio	More than 48 dB	More than 48 dB	More than 48 dB	More than 48 dB	More than 48 dB	More than 48 dB	More than 48 dB	More than 48 dB	More than 48 dB	More than 50dB	More than 48dB
Electronic shutter speed	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s	1/50 (1/60)s to 1/100,000s
BLC	ON	ON	ON	ON	ON	ON	ON	ON	ON	-	-
Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization
OSD	No	No	No	No	No	No	No	No	No	Yes	Yes
IR Distance	Approx 50 to 60 meters	Approx 50 to 60 meters	Approx 50 to 60 meters	Approx 10 to 20 meters	Approx 10 to 20 meters	Approx 10 to 20 meters	Approx 30 to 40 meters	Approx 30 to 40 meters	Approx 30 to 40 meters	-	-
Power Supply	12V DC, ±10%	12V DC, ±10%	12V DC, ±10%	12V DC, ±10%	12V DC, ±10%	12V DC, ±10%	12V DC, ±10%	12V DC, ±10%	12V DC, ±10%	12V DC, ±10%	12V DC, ±10%
Power Consumption	8W MAX	8W MAX	8W MAX	3W MAX	3W MAX	3W MAX	6W MAX	6W MAX	6W MAX	4W	4.8W MAX

HIKVISION IP CAMERA SELECTION

Model	DS-2CD862MF-E	DS-2CD852MF-E	DS-2CD802PF (NF) (-E) (-W)	DS-2CD812PF (NF) (-E) (-W)	DS-2CD892PF (NF) (-E) (-W)	DS-2CD832F (-E)	DS-2CD752MF-E	DS-2CD762MF-FB	DS-2CD752MF-FB	DS-2CD702PF(NF) -E	DS-2CD712PF(NF) -E
	P51	P52	P53	P53	P53	P54	P55	P56	P57	P58	P58
Image Sensor	1/3 inch SONY progressive scan CCD	1/3 inch CMOS	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/4 inch CMOS	1/3 inch CMOS	1/3 inch SONY progressive scan CCD	1/3 inch CMOS	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD
Effective Pixels	1280 (H) × 960 (V), 1.3M CCD	1600 (H) × 1200 (V)	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	640 (H) × 480 (V)	1600 (H) × 1200 (V)	1280 (H) × 960 (V), 1.3M CCD	1600 (H) × 1200 (V)	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Min. Illumination	Color: 0.1Lux @ F1.2, B / W: 0.01Lux @ F1.2	0.5Lux @ F1.2; 0.1Lux @ F1.2, sense up × 5	0.1Lux @ F1.2	0.1Lux @ F1.2	0.1Lux @ F1.2	0.4Lux @ F1.2	0.5Lux @ F1.2; 0.1Lux @ F1.2, sense up × 5	0.1Lux @ F1.2	0.5Lux @ F1.2; 0.1Lux @ F1.2, sense up × 5	0.1Lux @ F1.2	0.1Lux @ F1.2
Lens	C / CS mount DC / Video	C / CS mount	C / CS mount DC / Video	C / CS mount DC / Video	C / CS mount DC / Video	C / CS mount	2.8 ~ 11mm, F1.4 manual Iris lens	3.3-12mm @ F1.4 /Auto Iris lens	2.7-9mm@ F1.4 / Fixed Iris lens	3.5 ~ 9mm @ F1.2 / Φ14 / Fixed Iris lens	3.5 ~ 9mm @ F1.2 / Φ14 / Fixed Iris lens
Day & Night	ICR	Electronic (ICR option)	Electronic	Electronic	Electronic	Electronic	Electronic	ICR	Electronic (ICR Option)	Electronic	Electronic
S/N Ratio	More than 50dB	-	More than 48dB	More than 48dB	More than 48dB	-	-	-	-	More than 48dB	More than 48dB
Video Compression	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4
Max. Image Resolution	1280 × 960	1600 x 1200	PAL: 704 × 576 NTSC: 704 × 480	PAL: 704 × 576 NTSC: 704 × 480	PAL: 704 × 576 NTSC: 704 × 480	704 × 576	1600 x 1200	1280 × 960	1600 x 1200	PAL: 704 × 576 NTSC: 704 × 480	PAL: 704 × 576 NTSC: 704 × 480
Frame Rate	12.5fps(1280 × 960), 25fps (1280 × 720), 25fps (640 × 480)	12.5fps (1600 x 1200), 25fps (1280 x 720), 25fps (704 x 576), 30fps (704 x 480)	25 fps (704 × 576), 30fps (704 × 480)	25 fps (704 × 576), 30fps (704 × 480)	25 fps (704 × 576), 30fps (704 × 480)	25 fps (704 × 576)	12.5fps (1600 x 1200), 25fps (1280 x 720), 25fps (704 x 576), 30fps (704 x 480)	12.5fps (1280 × 960), 25fps(1280 × 720), 25fps (640 × 480)	12.5fps (1600 x 1200), 25fps (1280 x 720), 25fps (704 x 576), 30fps (704 x 480)	25 fps (704 × 576), 30fps (704 × 480)	25 fps (704 × 576), 30fps (704 × 480)
Password Protect	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power of Ethernet (PoE)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dual Stream	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SD Card Local Recording	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Alarm Input/Output	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Communication Port	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface

Model	DS-2CD792PF(NF)-E	DS-2CD732F-E	DS-2CD802P(N)-IR1	DS-2CD812P(N)-IR1	DS-2CD892P(N)-IR1	DS-2CD802P(N)-IR3	DS-2CD812P(N)-IR3	DS-2CD892P(N)-IR3	DS-2CD802P(N)-IR5	DS-2CD812P(N)-IR5	DS-2CD892P(N)-IR5
	P58	P59	P60	P60	P60	P61	P61	P61	P62	P62	P62
Image Sensor	1/3 inch SONY Super HAD CCD	1/4 inch CMOS	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD	1/3 inch SONY Super HAD CCD
Effective Pixels	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	640 (H) × 480 (V)	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Min. Illumination	0.1Lux @ F1.2	0.4Lux @ F1.2	0.1Lux @ F1.2 (0 Lux With IR)	0.1Lux @ F1.2 (0 Lux With IR)	0.1Lux @ F1.2 (0 Lux With IR)	0.1Lux @ F1.2 (0 Lux With IR)	0.1Lux @ F1.2 (0 Lux With IR)	0.1Lux @ F1.2 (0 Lux With IR)	0.1Lux @ F1.2 (0 Lux With IR)	0.1Lux @ F1.2 (0 Lux With IR)	0.1Lux @ F1.2 (0 Lux With IR)
Lens	3.5 ~ 9mm @ F1.2 / Φ14 / Fixed Iris lens	3.5-8mm @ F1.6 / M12 / manual Iris lens	6mm (2.8mm, 3.6mm option)	6mm (2.8mm, 3.6mm option)	6mm (2.8mm, 3.6mm option)	12mm (3.6mm, 6mm, 8mm,16mm option)	12mm (3.6mm, 6mm, 8mm,16mm option)	12mm (3.6mm, 6mm, 8mm,16mm option)	16mm (3.6mm, 6mm, 8mm,12mm option)	16mm (3.6mm, 6mm, 8mm,12mm option)	16mm (3.6mm, 6mm, 8mm,12mm option)
Day & Night	Electronic	Electronic	-	-	-	-	-	-	-	-	-
S/N Ratio	More than 48dB	-	More than 48dB	More than 48dB	More than 48dB	More than 48dB	More than 48dB	More than 48dB	More than 48dB	More than 48dB	More than 48dB
Video Compression	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4	H.264 or MPEG-4
Max. Image Resolution	PAL: 704 × 576 NTSC: 704 × 480	704 × 576	PAL: 704 × 576 NTSC: 704 × 480	PAL: 704 × 576 NTSC: 704 × 480	PAL: 704 × 576 NTSC: 704 × 480	PAL: 704 × 576 NTSC: 704 × 480	PAL: 704 × 576 NTSC: 704 × 480	PAL: 704 × 576 NTSC: 704 × 480	PAL: 704 × 576 NTSC: 704 × 480	PAL: 704 × 576 NTSC: 704 × 480	PAL: 704 × 576 NTSC: 704 × 480
Frame Rate	25 fps (704 × 576), 30fps (704 × 480)	25fps (704 × 576)	25 fps (704 × 576), 30fps (704 × 480)	25 fps (704 × 576), 30fps (704 × 480)	25 fps (704 × 576), 30fps (704 × 480)	25 fps (704 × 576), 30fps (704 × 480)	25 fps (704 × 576), 30fps (704 × 480)	25 fps (704 × 576), 30fps (704 × 480)	25 fps (704 × 576), 30fps (704 × 480)	25 fps (704 × 576), 30fps (704 × 480)	25 fps (704 × 576), 30fps (704 × 480)
Password Protect	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power of Ethernet (PoE)	Yes	Yes	No	No	No	No	No	No	No	No	No
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dual Stream	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SD Card Local Recording	Yes	Yes	No	No	No	No	No	No	No	No	No
Audio Input/Output	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Alarm Input/Output	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
IR Distance	-	-	Approx 10 to 20 meters	Approx 10 to 20 meters	Approx 10 to 20 meters	Approx 30 to 40 meters	Approx 30 to 40 meters	Approx 30 to 40 meters	Approx 50 to 60 meters	Approx 50 to 60 meters	Approx 50 to 60 meters

SPEED DOME

HIKVISION

DS-2AF1-611/613/615/617X
DS-2AF1-601/603/605/607X
6" Analog High Speed Dome

- 1/4 inch SONY EXVIEW CCD
- ±0.1° preset accuracy
- 400°/s pan preset speed and 150°/s tilt preset speed
- 360° endless pan range
- Weather Proof: IP66 standard

Day&Night	Park Action	Mouse Drag	Power Loss Recovery	Scheduled Task	Privacy Zone
Protocols Self-adaptive	Patterns	IP66			

Unit: mm

Φ242.75

287

Specifications
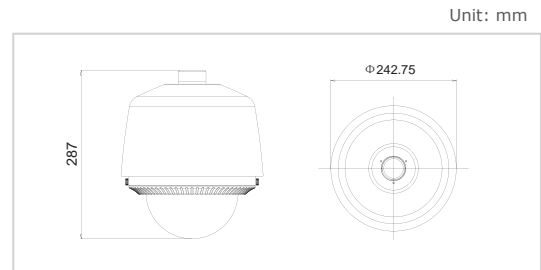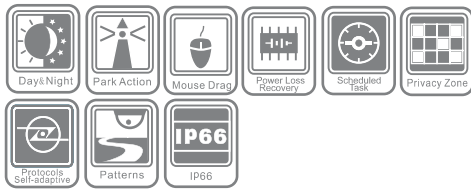
		DS-2AF1-611x	DS-2AF1-613x	DS-2AF1-615x	DS-2AF1-617x
	Outdoor Indoor	DS-2AF1-611x DS-2AF1-601x	DS-2AF1-613x DS-2AF1-603x	DS-2AF1-615x DS-2AF1-605x	DS-2AF1-617x DS-2AF1-607x
Camera	Image Sensor	1/4 inch SONY EXVIEW CCD			
	Effective Pixels	PAL: 752 (H)×582 (V), NTSC: 768 (H)×494 (V)			
	Horizontal Resolution	480TVL			
	Signal System	NTSC / PAL			
	Min. Illumination	1.0Lux / F1.4	0.7Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	1.0Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	1.4Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)
	White Balance	ATW / Manual			
	AGC	Auto / Manual			
	S/N Ratio	Better than 50dB			
	BLC	ON / OFF			
	Electronic Shutter Speed	N: 1/60~1/10,000s P: 1/50~1/10,000s	1/1~1/10,000s	1/4~1/10,000s	N: 1/4~1/10,000s P: 1/3~1/10,000s
	Day&Night	Electronic	ICR	ICR	ICR
	Digital Zoom	Up to 12x			
	Privacy Masking	Up to 24 zones, while maximum 8 zones masked simultaneously in one image			
	Auto Focus	Auto / Manual			

		DS-2AF1-611x DS-2AF1-601x	DS-2AF1-613x DS-2AF1-603x	DS-2AF1-615x DS-2AF1-605x	DS-2AF1-617x DS-2AF1-607x
Lens	Zoom Ratio	4.1-73.8mm, 18x	4.1-73.8mm, 18x	3.5-91mm, 26x	3.4-122.4mm, 36x
	Zoom Speed	Approx. 2.1sec (Optical WIDE-TELE)		Approx. 4.0sec (Optical WIDE-TELE)	
	Field of View	48° to 2.8° (WIDE-TELE)	48° to 2.8° (WIDE-TELE)	42° to 1.6° (WIDE-TELE)	57.8° to 1.7° (WIDE-TELE)
	Min. Working Distance	200mm (WIDE), 1000mm (TELE)	290mm (WIDE), 800mm (TELE)	320mm (WIDE), 1500mm (TELE)	320mm (WIDE), 1500mm (TELE)
	Aperture Range	F1.4-F3.0	F1.4-F3.0	F1.4-F3.8	F1.6-F4.5
Pan & Tilt	Pan Range	360° endless			
	Pan Speed	Manual: approx. 0.3°/s-300°/s, Preset: up to approx. 400°/s			
	Tilt Range	0°~90° (Auto flip)			
	Tilt Speed	Manual: approx. 0.5°~90°/s, Preset: up to approx. 150°/s			
	Proportional Pan/Tilt Control	YES			
	Preset Positions	250			
	Tour Mode	OFF / Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan			
	Freeze Frame	-	Freeze Frame during Preset		
	Scheduled Task	Scheduled Task: programmable Preset / Patrol / Auto Scan / Pattern / Random Scan / Frame Scan.			
	Password Protection	Preventing unauthorized person modifying the parameter			
	Auto Flip	YES			
	Parameter Restore	Go to the speed dome last status after reboot			
	Park Action	Start to Call Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan, after a Defined Time of Inactivity			
	PTZ Position Display	ON / OFF			
Alarm	Alarm Input	7 channels input, priority is configurable			
	Alarm Output	2 channels relay output, alarm linkage is configurable			
	Alarm Actions	Preset 1 ~ 200, Patrol 1 ~ 8 , PATTERN 1 ~ 4, Terminal output			
Input / Output	Monitor Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC			
General	Menu Language	English, Chinese			
	RS-485 Protocols	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive			
	Power Supply	24VAC (12VDC option)			
	Power Consumption	30W max (Heater ON)			
	Working Temperature/ Humidity	-30°C ~ 60°C (outdoor) / -10°C ~ 50°C (indoor), 90% or less (without condensation)			
	Water and Dust Resistance	IP66 standard compatible (Just for outdoor dome), TVS 3000V limited lightning protection			
	Dimensions	6 inch, Φ243(mm)×287(mm)			
	Weight (approx.)	5kg			

DS-2AF1-612/614/616X
DS-2AF1-602/604/606X
6" Analog High Speed Dome

- 1/4 inch SONY CCD
- ±0.1° preset accuracy
- 400°/s pan preset speed and 150°/s tilt preset speed
- 360° endless pan range
- Weather Proof: IP66 standard

Day&Night	Park Action	Mouse Drag	Power Loss Recovery	Scheduled Task	Privacy Zone
Protocols Self-adaptive	Patterns	IP66			

Unit: mm

Φ242.75

287

Specifications

		DS-2AF1-612x DS-2AF1-602x	DS-2AF1-614x DS-2AF1-604x	DS-2AF1-616x DS-2AF1-606x
	Outdoor Indoor			
Camera	Image Sensor	1/4 inch SONY Super HAD CCD	1/4 inch SONY Super HAD CCD	1/4 inch Interline Transfer CCD
	Effective Pixels	PAL: 752 (H)×582 (V), NTSC: 768 (H)×494 (V)		
	Horizontal Resolution	480TVL	480TVL(Color), 520TVL(B/W)	540TVL(Color), 570TVL(B/W)
	Signal System	NTSC / PAL		
	Min. Illumination	0.1Lux / F1.6	0.2Lux / F1.6 (Color) 0.02Lux / F1.6 (B/W)	0.8Lux / F1.4 (Color) 0.04Lux / F1.4 (B/W)
	White Balance	ATW / Manual		
	AGC	Auto / Manual		
	S/N Ratio	Better than 50dB		
	BLC	ON / OFF		
	Electronic Shutter Speed	N: 1/60~1/10,000s P: 1/50~1/10,000s		
	Day&Night	Electronic	ICR	ICR
	Digital Zoom	-	-	Up to 16x
	Privacy Masking	-	-	Up to 15 zones, while maximum 4 zones masked simultaneously in one image
	Auto Focus	Auto / Manual		

		DS-2AF1-612x DS-2AF1-602x	DS-2AF1-614x DS-2AF1-604x	DS-2AF1-616x DS-2AF1-606x
Lens	Zoom Ratio	3.9-85.8mm, 22x	3.84-88.4mm, 23x	3.5-105mm, 30x
	Zoom Speed	Approx. 2.1sec (Optical WIDE-TELE)	Approx. 3.3sec (Optical WIDE-TELE)	Approx. 4.1sec (Optical WIDE-TELE)
	Field of View	58° to 2.22° (WIDE-TELE)	52.2° to 2.36° (WIDE-TELE)	56.4° to 2.0° (WIDE-TELE)
	Min. Working Distance	1000mm	1200mm	1000mm
	Aperture Range	F1.6-F3.7	F1.6-F4.5	F1.6-F4.5
Pan & Tilt	Pan Range	360° endless		
	Pan Speed	Manual: approx. 0.3°/s-300°/s, Preset: up to approx. 400°/s		
	Tilt Range	0°~90° (Auto flip)		
	Tilt Speed	Manual: approx. 0.5°~90°/s, Preset: up to approx. 150°/s		
	Proportional Pan/Tilt Control	YES		
	Preset Positions	250		
	Tour Mode	OFF / Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan		
	Freeze Frame	-	-	Freeze Frame during Preset
	Scheduled Task	Scheduled Task: programmable Preset / Patrol / Auto Scan / Pattern / Random Scan / Frame Scan.		
	Password Protection	Preventing unauthorized person modifying the parameter		
	Auto Flip	YES		
	Parameter Restore	Go to the speed dome last status after reboot		
	Park Action	Start to Call Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan, after a Defined Time of Inactivity		
	PTZ Position Display	ON / OFF		
Alarm	Alarm Input	7 channels input, priority is configurable		
	Alarm Output	2 channels relay output, alarm linkage is configurable		
	Alarm Actions	Preset 1 ~ 200, Patrol 1 ~ 8 , PATTERN 1 ~ 4, Terminal output		
Input / Output	Monitor Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC		
General	Menu Language	English, Chinese		
	RS-485 Protocols	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive		
	Power Supply	24VAC (12VDC option)		
	Power Consumption	30W max (Heater ON)		
	Working Temperature/ Humidity	-30°C ~ 60°C (outdoor) / -10°C ~ 50°C (indoor), 90% or less (without condensation)		
	Water and Dust Resistance	IP66 standard compatible (Just for outdoor dome), TVS 3000V limited lightning protection		
	Dimensions	6 inch, Φ243(mm)×287(mm)		
	Weight (approx.)	5kg		

DS-2AF1-402/412
4" Analog High Speed Dome

- 1/4 inch SONY CCD
- ±0.1° preset accuracy
- 400°/s pan preset speed and 150°/s tilt preset speed
- 360° endless pan range

Day&Night | Park Action | Mouse Drag | Power Loss Recovery | Scheduled Task | Patterns

Privacy Zone | Protocols Self-adaptive
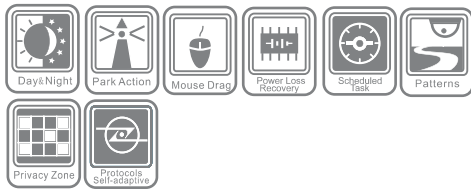
Unit: mm

Specifications
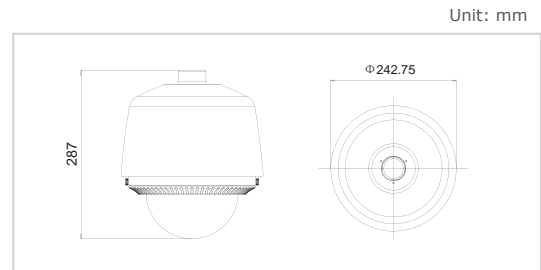
	Indoor	DS-2AF1-401	DS-2AF1-402
Camera	Image Sensor	1/4 Inch Interline Transfer SONY CCD	1/4 Inch SONY EXVIEW HAD CCD
	Effective Pixels	PAL: 752 (H)×582 (V)	
	Horizontal Resolution	500TVL (Color), 570TVL (B/W)	530TVL
	Signal System	PAL	
	Min. Illumination	0.7Lux / F1.4 0.02Lux / F1.4 (ICR ON)	1.0Lux / F1.4
	White Balance	Auto / ATW / Indoor / Outdoor / Manual	
	AGC	Auto / Manual	
	S/N Ratio	Better than 50dB	
	BLC	ON / OFF	
	Electronic Shutter Speed	PAL: 1/50~1/120,000s	PAL: 1/3~1/10,000s
	Day&Night	ICR	Electronic
	Digital Zoom	Up to 10x	Up to 12x
	Privacy Masking	Up to 4 zones	Up to 24 zones, while maximum 8 zones masked simultaneously in one image
	Auto Focus	Auto / Manual	

		DS-2AF1-401	DS-2AF1-402
Lens	Zoom Ratio	3.8-38mm, 10x	4.2-42mm, 10x
	Zoom Speed	1.7sec (Optical WIDE-TELE)	
	Field of View	51.2°-5.58° (WIDE-TELE)	46°-4.6° (WIDE-TELE)
	Min. Working Distance	200-1000mm	
Pan & Tilt	Pan Range	360° endless	
	Pan Speed	Manual: approx. 0.3°/s-300°/s, Preset: up to approx. 400°/s	
	Tilt Range	0°~90° (Auto flip)	
	Tilt Speed	Manual: approx. 0.3°~90°/s, Preset: up to approx. 150°/s	
	Proportional Pan/Tilt Control	YES	
	Preset Positions	250	
	Tour Mode	OFF / Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan	
	Freeze Frame	Freeze Frame during Preset	
	Patrols	8	
	Patterns	4	
	Scheduled Task	Scheduled Task: programmable Preset / Patrol / Auto Scan / Pattern / Random Scan / Frame Scan.	
	Auto Flip	YES	
	Parameter Restore	Go to the speed dome last status after reboot	
	Park Action	Start to Call Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan, after a Defined Time of Inactivity	
	PTZ Position Display	ON / OFF	
Alarm	Alarm Input	2 channels input	
	Alarm Output	1 channel output	
	Alarm Actions	Preset 1 ~ 200, Patrol 1 ~ 8, PATTERN 1 ~ 4, Relay output	
Input / Output	Monitor Output	1.0V[p-p] / 75Ω, PAL composite, BNC	
General	Menu Language	English, Chinese	
	RS-485 Protocols	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive	
	Power Supply	24VAC / 12VDC	
	Power Consumption	12W max	
	Working Temperature/ Humidity	-10°C ~ 50°C (indoor), 90% or less (without condensation)	
	Dimensions	4 inch, Φ145 (mm)×132.8 (mm)	
	Weight (approx.)	2kg	

HIKVISION

DS-2AM1-612/613/614X
DS-2AM1-602/603/604X
6" Analog Speed Dome

- 1/4 inch SONY CCD
- 75°/s pan preset speed and 50°/s tilt preset speed
- 0.2-75°/s manual pan speed and 0.3-50°/s manual tilt speed
- Weather proof: IP66 standard

Day&Night　Park Action　Mouse Drag　Power Loss Recovery　Scheduled Task　Privacy Zone

Protocols Self-adaptive　Patterns　IP66

Unit: mm

Φ242.75

287
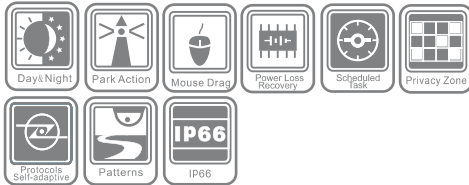
Specifications

	Outdoor Indoor	DS-2AM1-612X DS-2AM1-602X	DS-2AM1-613X DS-2AM1-603X	DS-2AM1-614X DS-2AM1-604X
Camera	Image Sensor	1/4 inch SONY Super HAD CCD	1/4 inch SONY EXVIEW CCD	1/4 inch SONY Super HAD CCD
	Effective Pixels	PAL: 752 (H)×582 (V), NTSC: 768 (H)×494 (V)		
	Horizontal Resolution	480TVL	480TVL	480TVL(Color), 520TVL(B/W)
	Signal System	NTSC / PAL		
	Min. Illumination	0.1Lux / F1.6	0.7Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	0.2Lux / F1.6 (Color) 0.02Lux / F1.6 (B/W)
	White Balance	Auto / ATW / Indoor / Outdoor		
	AGC	Auto / Manual		
	S/N Ratio	Better than 50dB		
	BLC	ON / OFF		
	Electronic Shutter Speed	N: 1/60~1/10,000s P: 1/50~1/10,000s	1/1~1/10,000s	N: 1/60~1/120,000s P: 1/50~1/120,000s
	Day&Night	Electronic	ICR	ICR
	Digital Zoom	-	Up to 12x	-
	Auto Focus	Auto / Manual		

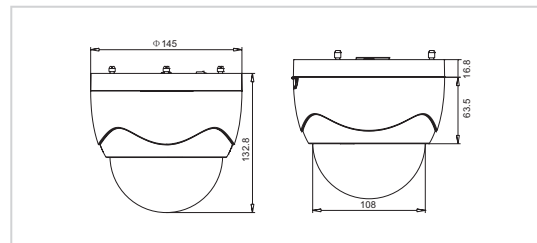|		DS-2AM1-612X DS-2AM1-602X	DS-2AM1-613X DS-2AM1-603X	DS-2AM1-614X DS-2AM1-604X
Lens	Zoom Ratio	3.9-85.8mm, 22x	4.1-73.8mm, 18x	3.84-88.4mm, 23x
	Zoom Speed	Approx. 3.7sec (Optical WIDE-TELE)		Approx. 5.4sec (Optical WIDE-TELE)
	Field of View	51.2° to 4.2° (WIDE-TELE)	48° to 2.8° (WIDE-TELE)	52.2° to 2.36° (WIDE-TELE)
	Min. Working Distance	100mm (WIDE), 1000mm (TELE)	290mm (WIDE), 800mm (TELE)	1200mm (TELE)
	Aperture Range	F1.6-F3.7	F1.4-F3.0	F1.6-F3.2
Pan & Tilt	Pan Range	360° endless		
	Pan Speed	Manual: approx. 0.2°/s-75°/s, Preset: up to approx. 75°/s		
	Tilt Range	0°~90°		
	Tilt Speed	Manual: approx. 0.2°~50°/s, Preset: up to approx. 50°/s		
	Proportional Pan/Tilt Control	YES		
	Preset Positions	104		
	Tour Mode	OFF / Preset 1-3 / Patrol 1 / Auto Scan 1		
	Patrols	3		
	Parameter Restore	Go to the speed dome last status after reboot		
	Park Action	Trigger Action: Preset / Patrol / Auto Scan, after a defined time of inactivity		
Input / Output	Monitor Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC		
General	RS-485 Protocols	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive		
	Power Supply	24VAC (12VDC option)		
	Power Consumption	12W (50W Heater ON, Except indoor dome)		
	Working Temperature/ Humidity	-30°C ~ 60°C (outdoor) / -10°C ~ 50°C (indoor), 90% or less (without condensation)		
	Water and Dust Resistance	IP66 standard compatible (Just for Outdoor dome), TVS 3000V limited lightning protection		
	Dimensions	6 inch, Φ243(mm)×287(mm)		
	Weight (approx.)	5kg		

DS-2DF1-611/613/615/617H
DS-2DF1-601/603/605/607H
6" IP High Speed Dome

- 1/4 inch SONY EXVIEW CCD
- ±0.1° preset accuracy
- 400°/s pan preset speed and 150°/s tilt preset speed
- 360° endless pan range
- H.264 video codec
- Fiber connector option
- Weather Proof: IP66 standard

Day&Night | H. 264 | Park Action | Mouse Drag | Power Loss Recovery | Privacy Zone
Protocols Self-adaptive | Patterns | Voice Talk | Web Server | S D | IP66

Unit: mm

Φ242.75

287

Specifications

	Outdoor Indoor	DS-2DF1-611H DS-2DF1-601H	DS-2DF1-613H DS-2DF1-603H	DS-2DF1-615H DS-2DF1-605H	DS-2DF1-617H DS-2DF1-607H
Camera	Image Sensor	1/4 inch SONY EXVIEW CCD			
	Effective Pixels	PAL: 752 (H)×582 (V), NTSC: 768 (H)×494 (V)			
	Horizontal Resolution	480TVL			
	Signal System	NTSC / PAL			
	Min. Illumination	1.0Lux / F1.4	0.7Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	1.0Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	1.4Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)
	White Balance	ATW / Manual			
	AGC	Auto / Manual			
	S/N Ratio	Better than 50dB			
	BLC	ON / OFF			
	Electronic Shutter Speed	N: 1/60~1/10,000s P: 1/50~1/10,000s	1/1~1/10,000s	1/4~1/10,000s	N: 1/4~1/10,000s P: 1/3~1/10,000s
	Day&Night	Electronic	ICR	ICR	ICR
	Digital Zoom	Up to 12x			
	Privacy Masking	Up to 24 zones, while maximum 8 zones masked simultaneously in one image			
	Auto Focus	Auto / Manual			
Lens	Zoom Ratio	4.1-73.8mm, 18x	4.1-73.8mm, 18x	3.5-91mm, 26x	3.4-122.4mm, 36x
	Zoom Speed	Approx. 2.1sec (Optical WIDE-TELE)		Approx. 4.0sec (Optical WIDE-TELE)	
	Field of View	48° to 2.8° (WIDE-TELE)	48° to 2.8° (WIDE-TELE)	42° to 1.6° (WIDE-TELE)	57.8° to 1.7° (WIDE-TELE)
	Min. Working Distance	290mm (WIDE), 800mm (TELE)	290mm (WIDE), 800mm (TELE)	320mm (WIDE), 1500mm (TELE)	320mm (WIDE), 1500mm (TELE)
	Aperture Range	F1.4-F3.0	F1.4-F3.0	F1.4-F3.8	F1.6-F4.5

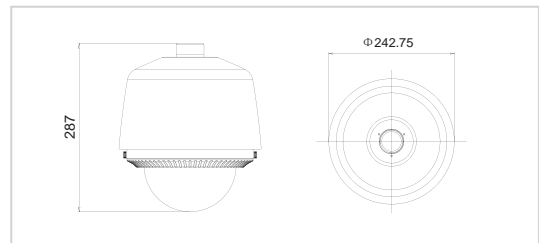|		DS-2DF1-611H DS-2DF1-601H	DS-2DF1-613H DS-2DF1-603H	DS-2DF1-615H DS-2DF1-605H	DS-2DF1-617H DS-2DF1-607H
Pan & Tilt	Pan Range	360° endless			
	Pan Speed	Manual: approx. 0.3°/s-160°/s or 0.3°/s-220°/s, 0.3°/s-300°/s, Programmable in Menu Preset: up to approx. 400°/s			
	Tilt Range	0°~90° (Auto flip)			
	Tilt Speed	Manual: approx. 0.5°/s-40°/s or 0.5°/s-60°/s, 0.5°/s-90°/s, Programmable in Menu Preset: up to approx. 150°/s			
	Proportional Pan/Tilt Control	YES			
	Preset Positions	200			
	Tour Mode	OFF / Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan			
	Patrols	8			
	Patterns	4			
	Freeze Frame	-	Freeze Frame during Preset		
	Auto Flip	YES			
	Parameter Restore	Go to the speed dome last status after reboot			
	Park Action	Start to Call Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan, after a Defined Time of Inactivity			
	PTZ Position Display	ON / OFF			
Network	Ethernet	10Base-T / 100Base-TX, RJ45 connector (Fiber Connector Option)			
	Image Resolution	PAL: 704×576, NTSC: 704×480			
	Frame Rate	25fps (704×576), 30fps (704×480)			
	Image Compression	H.264			
	Audio Compression	OggVorbis / 16kbps			
	Audio Mode	OFF / Audio input / Audio output			
	Protocols	TCP/IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible)			
	No. of Simultaneous Users	Up to 6 users			
	Dual Streams	Support dual streams simultaneously			
	Mini SD Memory Card	Manual REC / Alarm REC. Compatible SDHC Standard Cards			
	User/Host Level	3 Levels: Administrator, Camera control, Live only			
	Security Measures	User authentication (ID and PW), Host authentication (MAC address)			
Client GUI	Camera Control	Pan / Tilt, Zoom, Focus, Click centering, Drag zoom, Iris, Preset position call and program, Auto mode.			
	Camera Title	Up to 18 characters			
	Clock Display	Time: Week: Date, 6 formats on the Client			
Alarm	Alarm Input	2 channels input, priority is configurable			
	Alarm Output	2 channels relay output, alarm linkage is configurable			
	Alarm Actions	Preset 1 ~ 200, Patrol 1 ~ 8, Pattern 1 ~ 4, SD card recording, Terminal output, Notification on Client.			
Input / Output	Monitor Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC			
	Microphone Input	Mic. In (Applicable microphone; Plug-in power type), 2-2.4V[p-p], Input impedance: 1KΩ±10%			
	Audio Output	Audio out, Line level			
General	Menu Language	English, Chinese			
	RS-485 Protocols	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive			
	Power Supply	24VAC (12VDC option)			
	Power Consumption	30W max (Heater ON)			
	Working Temperature/ Humidity	-30°C ~ 60°C (outdoor) / -10°C ~ 50°C (indoor), 90% or less (without condensation)			
	Water and Dust Resistance	IP66 standard compatible (Just for outdoor dome), TVS 3000V limited lightning protection			
	Dimensions	6 inch, Φ243(mm)×287(mm)			
	Weight (approx.)	5kg			

HIKVISION

DS-2DF1-612/614/616H
DS-2DF1-602/604/606H
6" IP High Speed Dome

- 1/4 inch SONY CCD
- ±0.1° preset accuracy
- 400°/s pan preset speed and 150°/s tilt preset speed
- 360° endless pan range
- H.264 video codec
- Fiber connector option
- Weather Proof: IP66 standard

Day&Night	H.264	Park Action	Mouse Drag	Power Loss Recovery	Privacy Zone
Protocols Self-adaptive	Patterns	Voice Talk	Web Server	S D	IP66

Unit: mm

Φ242.75

287

Specifications

		DS-2DF1-612H DS-2DF1-602H	DS-2DF1-614H DS-2DF1-604H	DS-2DF1-616H DS-2DF1-606H
	Outdoor Indoor			
Camera	Image Sensor	1/4 inch Sony Super HAD CCD	1/4 inch Sony Super HAD CCD	1/4 inch Interline Transfer CCD
	Effective Pixels	PAL: 752 (H)×582 (V), NTSC: 768 (H)×494 (V)		
	Horizontal Resolution	480TVL	480TVL(Color) 520TVL(B/W)	540TVL(Color) 570TVL(B/W)
	Signal System	NTSC / PAL		
	Min. Illumination	0.1Lux / F1.6	0.2Lux / F1.6 (Color) 0.02Lux / F1.6 (B/W)	0.8Lux / F1.4 (Color) 0.04Lux / F1.4 (B/W)
	White Balance	ATW / Manual		
	AGC	Auto / Manual		
	S/N Ratio	Better than 50dB		
	BLC	ON / OFF		
	Electronic Shutter Speed	N: 1/60~1/10,000s P: 1/50~1/10,000s		
	Day&Night	Electronic	ICR	ICR
	Digital Zoom	-	-	Up to 16x
	Privacy Masking	-	-	Up to 15 zones, while maximum 4 zones masked simultaneously in one image
	Auto Focus	Auto / Manual		
Lens	Zoom Ratio	3.9-85.8mm, 22x	3.84-88.4mm, 23x	3.5-105mm, 30x
	Zoom Speed	Approx. 2.1sec (Optical WIDE-TELE)	Approx.3.3sec (Optical WIDE-TELE)	Approx. 4.1sec (Optical WIDE-TELE)
	Field of View	58° to 2.22° (WIDE-TELE)	52.2° to 2.36° (WIDE-TELE)	58° to 2.2° (WIDE-TELE)
	Min. Working Distance	1000mm	1200mm	1000mm
	Aperture Range	F1.6-F3.7	F1.6-F4.5	F1.6-F4.5

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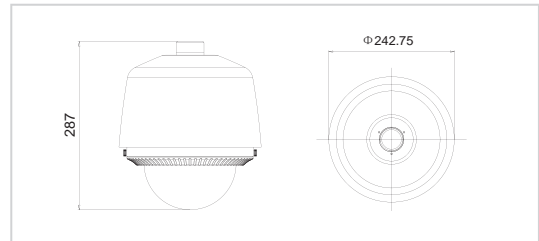|		DS-2DF1-612H DS-2DF1-602H	DS-2DF1-614H DS-2DF1-604H	DS-2DF1-616H DS-2DF1-606H
Pan & Tilt	Pan Range	360° endless		
	Pan Speed	Manual: approx. 0.3°/s-160°/s or 0.3°/s-220°/s, 0.3°/s-300°/s, Programmable in Menu Preset: up to approx. 400°/s		
	Tilt Range	0°~90° (Auto flip)		
	Tilt Speed	Manual: approx. 0.5°/s-40°/s or 0.5°/s-60°/s, 0.5°/s-90°/s, Programmable in Menu Preset: up to approx. 150°/s		
	Proportional Pan/Tilt Control	YES		
	Preset Positions	200		
	Tour Mode	OFF / Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan		
	Patrols	8		
	Patterns	4		
	Freeze Frame	-	-	Freeze Frame during Preset
	Auto Flip	YES		
	Parameter Restore	Go to the speed dome last status after reboot		
	Park Action	Start to Call Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan, after a Defined Time of Inactivity		
	PTZ Position Display	ON / OFF		
Network	Ethernet	10Base-T / 100Base-TX, RJ45 connector (Fiber Connector Option)		
	Image Resolution	PAL: 704×576, NTSC: 704×480		
	Frame Rate	25fps (704×576), 30fps (704×480)		
	Image Compression	H.264		
	Audio Compression	OggVorbis / 16kbps		
	Audio Mode	OFF / Audio input / Audio output		
	Protocols	TCP/IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible)		
	No. of Simultaneous Users	Up to 6 users		
	Dual Streams	Support dual streams simultaneously		
	Mini SD Memory Card	Manual REC / Alarm REC. Compatible SDHC Standard Cards		
	User/Host Level	3 Levels: Administrator, Camera control, Live only		
	Security Measures	User authentication (ID and PW), Host authentication (MAC address)		
Client GUI	Camera Control	Pan / Tilt, Zoom, Focus, Click centering, Drag zoom, Iris, Preset position call and program, Auto mode.		
	Camera Title	Up to 18 characters		
	Clock Display	Time: Week: Date, 6 formats on the Client		
Alarm	Alarm Input	2 channels input, priority is configurable		
	Alarm Output	2 channels relay output, alarm linkage is configurable		
	Alarm Actions	Preset 1 ~ 200, Patrol 1 ~ 8, Pattern 1 ~ 4, SD card recording, Terminal output, Notification on Client.		
Input / Output	Monitor Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC		
	Microphone Input	Mic. In (Applicable microphone; Plug-in power type), 2-2.4V[p-p], Input impedance: 1KΩ±10%		
	Audio Output	Audio out, Line level		
General	Menu Language	English, Chinese		
	RS-485 Protocols	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive		
	Power Supply	24VAC (12VDC option)		
	Power Consumption	30W max (Heater ON)		
	Working Temperature/ Humidity	-30°C ~ 60°C (outdoor) / -10°C ~ 50°C (indoor), 90% or less (without condensation)		
	Water and Dust Resistance	IP66 standard compatible (Just for outdoor dome), TVS 3000V limited lightning protection		
	Dimensions	6 inch, Φ243(mm)×287(mm)		
	Weight (approx.)	5kg		

DS-2DF1-401/402E
4" IP High Speed Dome

- 1/4 inch SONY CCD
- ±0.1° preset accuracy
- 400°/s pan preset speed and 150°/s tilt preset speed
- H.264 video codec
- Power over Ethernet
- 360° endless pan range

Day&Night	H.264	Park Action	Mouse Drag	Power Loss Recovery	S D

Privacy Zone	Protocols Self-adaptive	Patterns	Voice Talk	Web Server

Unit: mm
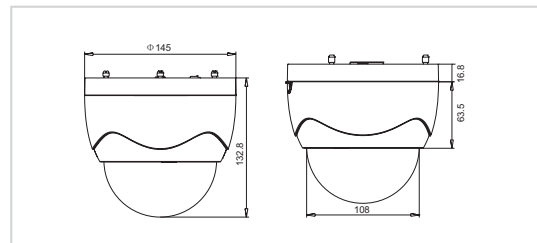
Specifications

	Indoor	DS-2DF1-401E	DS-2DF1-402E
Camera	Image Sensor	1/4 Inch Interline Transfer SONY CCD	1/4 Inch Sony EXVIEW HAD CCD
	Effective Pixels	PAL: 752 (H)×582 (V)	
	Horizontal Resolution	500TVL (Color), 570TVL (B/W)	530TVL
	Signal System	PAL	
	Min. Illumination	0.7Lux / F1.4, 0.02Lux / F1.4 (ICR ON)	1.0Lux / F1.4
	White Balance	Auto / Indoor / Outdoor / ATW / Manual	
	AGC	Auto / Manual	
	S/N Ratio	Better than 50dB	
	BLC	ON / OFF	
	Electronic Shutter Speed	PAL: 1/50~1/120,000s	PAL: 1/3~1/10,000s
	Day&Night	ICR	Electronic
	Digital Zoom	Up to 10x	Up to 12x
	Privacy Masking	Up to 4 zones	Up to 24 zones, while maximum 8 zones masked simultaneously in one image
	Auto Focus	Auto / Manual	
Lens	Zoom Ratio	3.8-38mm, 10x	4.2-42mm, 10x
	Zoom Speed	1.7sec (Optical WIDE-TELE)	
	Field of View	51.2°-5.58° (WIDE-TELE)	46°-4.6° (WIDE-TELE)
	Min. Working Distance	200-1000mm	

		DS-2DF1-401E	DS-2DF1-402E
Pan & Tilt	Pan Range	360° endless	
	Pan Speed	Manual: approx. 0.7°/s-90°/s or 0.7°/s-120°/s, 0.7°/s-160°/s, Programmable in Menu Preset: up to approx. 400°/s	
	Tilt Range	0°~90° (Auto flip)	
	Tilt Speed	Manual: approx. 0.7°~40°/s or 0.7°~60°/s, 0.7°~90°/s, Programmable in Menu Preset: up to approx. 150°/s	
	Proportional Pan/Tilt Control	YES	
	Preset Positions	200	
	Tour Mode	OFF / Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan	
	Patrols	8	
	Patterns	4	
	Freeze Frame	Freeze Frame during Preset.	
	Auto Flip	YES	
	Parameter Restore	Go to the speed dome last status after reboot	
	Park Action	Start to Call Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan, after a Defined Time of Inactivity	
	PTZ Position Display	ON / OFF	
Network	Ethernet	10Base-T / 100Base-TX,RJ45 connector	
	Image Resolution	PAL: 704×576, NTSC: 704×480	
	Frame Rate	25fps (704×576), 30fps (704×480)	
	Image Compression	H.264	
	Audio Compression	OggVorbis / 16kbps	
	Audio Mode	OFF / Audio input / Audio output	
	Protocols	TCP/IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible)	
	No. of Simultaneous Users	Up to 6 users	
	Dual Streams	Support dual streams simultaneously	
	Mini SD Memory Card	Manual REC / Alarm REC. Compatible SDHC Standard Cards	
	User/Host Level	3 Levels: Administrator, Camera control, Live only	
	Security Measures	User authentication (ID and PW), Host authentication (MAC address)	
Client GUI	Camera Control	Pan / Tilt, Zoom, Focus, Click centering, Drag zoom, Iris, Preset position call and program, Auto mode.	
	Camera Title	Up to 18 characters	
	Clock Display	Time: Week: Date, 6 formats on the Client	
Alarm	Alarm Input	1channels input	
	Alarm Output	1 channels output	
	Alarm Actions	Preset 1 ~ 200, Patrol 1 ~ 8, Pattern 1 ~ 4, SD card recording, Terminal output, Notification on Client.	
Input / Output	Monitor Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC	
	Microphone Input	Mic. In (Applicable microphone; Plug-in power type), 2-2.4V[p-p], Input impedance: 1KΩ±10%	
	Audio Output	Audio out, Line level	
General	Menu Language	English, Chinese	
	RS-485 Protocols	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive	
	Power Supply	12VDC or PoE	
	Power Consumption	12W max	
	Working Temperature/Humidity	-10°C ~ 50°C (indoor), 90% or less (without condensation)	
	Dimensions	4 inch, Φ145 (mm)×132.8 (mm)	
	Weight (approx.)	2kg	

HIKVISION

DS-2DM1-612/613/614H
DS-2DM1-602/603/604H
6" IP Speed Dome

- 1/4 inch SONY CCD
- 75°/s pan preset speed and 50°/s tilt preset speed
- 0.2-75°/s manual pan speed and 0.3-50°/s manual tilt speed
- H.264 video codec
- Weather Proof: IP66 standard

Day&Night	H.264	Park Action	Mouse Drag	Power Loss Recovery	Privacy Zone
Protocols Self-adaptive	Patterns	Voice Talk	Web Server	S D	IP66

Unit: mm

Φ242.75

287

Specifications

	Outdoor Indoor	DS-2DM1-612H DS-2DM1-602H	DS-2DM1-613H DS-2DM1-603H	DS-2DM1-614H DS-2DM1-604H
Camera	Image Sensor	1/4 inch Sony Super HAD CCD	1/4 inch SONY EXVIEW CCD	1/4 inch Sony Super HAD CCD
	Effective Pixels	PAL: 752 (H)×582 (V), NTSC: 768 (H)×494 (V)		
	Horizontal Resolution	480TVL	480TVL	480TVL(Color) 520TVL(B/W)
	Signal System	NTSC / PAL		
	Min. Illumination	0.1Lux / F1.6	0.7Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	0.2Lux / F1.6 (Color) 0.02Lux / F1.6 (B/W)
	White Balance	Auto / ATW / Indoor / Outdoor		
	AGC	Auto / Manual		
	S/N Ratio	Better than 50dB		
	BLC	ON / OFF		
	Electronic Shutter Speed	N: 1/60~1/10,000s P: 1/50~1/10,000s	1/1~1/10,000s	N: 1/60~1/120,000s P: 1/50~1/120,000s
	Day&Night	Electronic	ICR	ICR
	Digital Zoom	-	12X	-
	Privacy Masking	-	Up to 24 zones, while maximum 8 zones masked simultaneously in one	-
	Auto Focus	Auto / Manual		
Lens	Zoom Ratio	3.9-85.8mm, 22x	4.1-73.8mm, 18X	3.84-88.4mm, 23X
	Zoom Speed	3.7s (Optical, WIDE-TELE)		5.4s (Optical , WIDE-TELE)
	Field of View	51.2°-4.2° (WIDE-TELE)	48°-2.8° (WIDE-TELE)	52.2°-2.36° (WIDE-TELE)
	Min. Working Distance	100mm ~ 1000mm	290mm ~ 800mm	1200mm (TELE)
	Aperture Range	F1.6-F3.7	F1.4-F3.0	F1.6-F3.2

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		DS-2DM1-612H DS-2DM1-602H	DS-2DM1-613H DS-2DM1-603H	DS-2DM1-614H DS-2DM1-604H
Pan & Tilt	Pan Range	360° endless		
	Pan Speed	Manual: approx. 0.2°/s-75°/s Preset: up to approx. 75°/s		
	Tilt Range	0°~90°		
	Tilt Speed	Manual: approx. 0.3°~50°/s Preset: up to approx. 50°/s		
	Proportional Pan/Tilt Control	YES		
	Preset Positions	200		
	Tour Mode	OFF / Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan		
	Patrols	8		
	Patterns	4		
	Freeze Frame	Freeze Frame during Preset		
	Parameter Restore	Go to the speed dome last status after reboot		
	Park Action	Trigger Action: Preset / Patrol / Auto Scan, after a defined time of inactivity		
	PTZ Position Display	ON / OFF		
Network	Ethernet	10Base-T / 100Base-TX, RJ45 connector		
	Image Resolution	PAL: 704×576, NTSC: 704×480		
	Frame Rate	25fps (704×576), 30fps (704×480)		
	Image Compression	H.264		
	Audio Compression	OggVorbis / 16kbps		
	Audio Mode	OFF / Audio input / Audio output		
	Protocols	TCP/IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible)		
	No. of Simultaneous Users	Up to 6 users		
	Dual Streams	Support dual streams simultaneously		
	Mini SD Memory Card	Manual REC / Alarm REC. Compatible SDHC Standard Cards		
	User/Host Level	3 Levels: Administrator, Camera control, Live only		
	Security Measures	User authentication (ID and PW), Host authentication (MAC address)		
Client GUI	Camera Control	Pan / Tilt, Zoom, Focus, Click centering, Drag zoom, Iris, Preset position call and program, Auto mode.		
	Camera Title	Up to 18 characters		
	Clock Display	Time: Week: Date, 6 formats on the Client		
Alarm	Alarm Input	1 channel input		
	Alarm Output	1 channel output, alarm linkage is configurable		
	Alarm Actions	Preset 1 ~ 200, Patrol 1 ~ 8, Pattern 1 ~ 4, SD card recording, Terminal output, Notification on Client.		
Input / Output	Monitor Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC		
	Microphone Input	Mic. In (Applicable microphone; Plug-in power type), 2-2.4V[p-p], Input impedance: 1KΩ±10%		
	Audio Output	Audio out, Line level		
General	Menu Language	English, Chinese		
	RS-485 Protocols	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive		
	Power Supply	24VAC (12VDC option)		
	Power Consumption	12W (50W Heater ON, Except indoor dome)		
	Working Temperature/ Humidity	-30°C ~ 60°C (outdoor) / -10°C ~ 50°C (indoor), 90% or less (without condensation)		
	Water and Dust Resistance	IP66 standard compatible (Just for outdoor dome), TVS 3000V limited lightning protection		
	Dimensions	6 inch, Φ243(mm)×287(mm)		
	Weight (approx.)	5kg		

COLOR CAMERA

DS-2CC193P-A
High-definition ICR Color Camera

- 1/3" SONY CCD
- Auto white balance, auto gain control, electronic shutter control, and backlight compensation
- Flickerless mode
- ICR filter auto switch
- Digital Noise Reduction (DNR)
- OSD menu
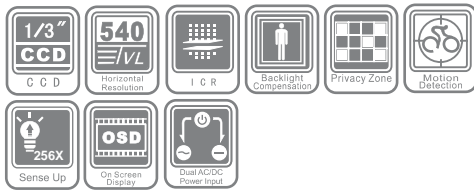
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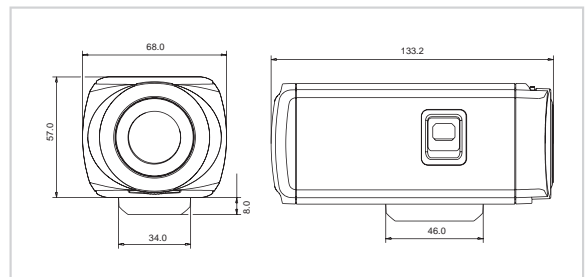
Specifications

		DS-2CC193P-A
Camera	Image Sensor	1/3 inch SONY CCD
	Effective Pixels	752 (H) × 582 (V)
	Horizontal Resolution	540TVL (Color), 600TVL (B/W)
	Signal System	PAL
	Min. Illumination (Color)	0.1Lux @ F1.2, 0.0003Lux @ (F1.2, sensitivity × 256)
	Min. Illumination (B&W)	0.01Lux @ F1.2, 0.00003Lux @ (F1.2, sensitivity × 256)
	Electronic Shutter Speed	1/50s to 1/100,000s
	Day&Night	IR Cut Filter Auto Switch
	Synchronization	Internal / Power synchronization
	Video Output	1Vp-p Composite Output (75Ω/BNC)
	S/N Ratio	More than 50dB
Lens	Lens Mount	C / CS mount
	Auto Iris Lens	DC / Video Drive
Menu	Camera ID	On / Off (15 letters, adjusted position)
	Auto Gain	Low / Middle / High / Off
	D/N Mode	Auto1 / Auto2 / Day / Night
	Auto White Balance	Auto trace WB1/ Auto trace WB2 / Manual / Auto
	Private Mask	On / Off, Maximum 8 Zones
	Motion Detection	Mode 1 / Mode 2 / Off
	Flicker Proof	On / Off
	RS-485	Address / Protocol / Baud Rate
	Language	English / Chinese
	Video	Gama Amendment, Digital Zoom, Digital Noise Reduction, POS/NEG, Mirror, Resolution, Sharpness, Y, C, Blemish Detection
General	Power Supply	24VAC / 20VA ±10%, 12VDC / 300Ma ±10%
	Power Consumption	3W (10W MAX With ICR Working)
	Working Temperature	-10°C ~ 60°C(14°F ~ 140°F)
	Dimensions(mm)	68 × 57 × 133.2 (2.7" × 2.2" × 5.2")
	Weight	500g (1.1lbs)

DS-2CC195P-A
High-definition Low illumination ICR Color Camera

- 1/3" SONY CCD
- Min. Illumination: 0.02Lux @ F1.2 (Color), 0.002Lux @ F1.2 (B/W)
- Auto white balance, auto gain control, electronic shutter control, and backlight compensation
- Flickerless mode
- ICR filter auto switch

Unit: mm
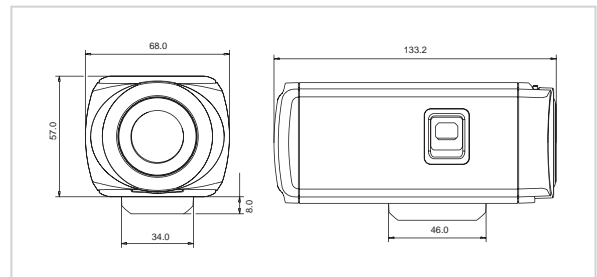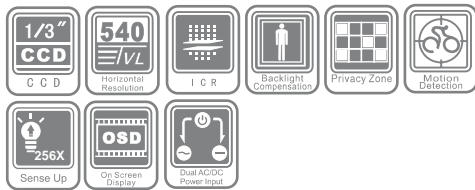
Specifications

		DS-2CC195P-A
Camera	Image Sensor	1/3 inch SONY CCD
	Effective Pixels	PAL: 752 (H) × 582 (V)
	Horizontal Resolution	540TVL (Color), 600TVL (B/W)
	Signal System	PAL
	Min. Illumination (Color)	0.02Lux @ F1.2, 0.00012Lux @ (F1.2, sensitivity × 256)
	Min. Illumination (B&W)	0.002Lux @ F1.2, 0.000007Lux @ (F1.2, sensitivity × 256)
	Electronic Shutter Speed	1/50s to 1/100,000s
	Day&Night	IR Cut Filter Auto Switch
	Synchronization	Internal / Power synchronization
	Video Output	1Vp-p Composite Output (75Ω/BNC)
	S/N Ratio	More than 50dB
Lens	Lens Mount	C / CS mount
	Auto Iris Lens	DC / Video Drive
Menu	Camera ID	On / Off (15 letters, adjusted position)
	Auto Gain	Low / Middle / High / Off
	D/N Mode	Auto1 / Auto2 / Day / Night
	Auto White Balance	Auto trace WB1/ Auto trace WB2 / Manual / Auto
	Private Mask	On / Off, Maximum 8 Zones
	Motion Detection	Mode 1 / Mode 2 / Off
	Flicker Proof	On / Off
	RS-485	Address / Protocol / Baud Rate
	Language	English / Chinese
	Video	Gama Amendment, Digital Zoom, Digital Noise Reduction, POS/NEG, Mirror, Resolution, Sharpness, Y, C, Blemish Detection
General	Power Supply	24VAC / 20VA ±10%, 12VDC / 300Ma ±10%
	Power Consumption	3W (10W MAX With ICR Working)
	Working Temperature	-10°C ~ 60°C(14°F ~ 140°F)
	Dimensions(mm)	68 × 57 × 133.2 (2.7" × 2.2" × 5.2")
	Weight	500g (1.1lbs)

HIKVISION

DS-2CC197P-A
High-definition WDR Color Camera

- 1/3" Sony CCD
- 160X Wide Dynamic Range, suitable for strong backlight environment
- Min. Illumination: 0.1Lux @F1.2 (Color), 0.01Lux @ F1.2 (B/W).
- Auto white balance, auto gain control, electronic shutter control, and backlight compensation
- ICR filter auto switch

Unit: mm
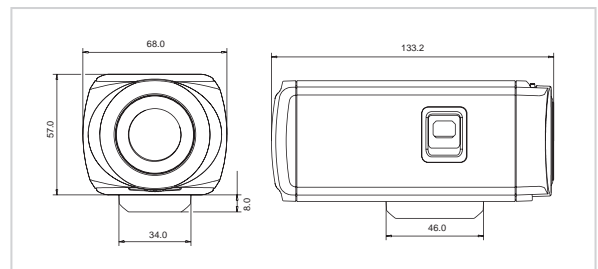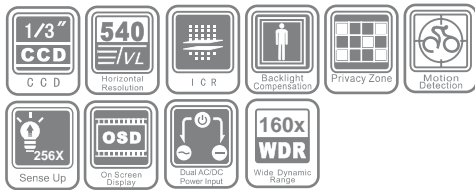
Specifications

		DS-2CC197P-A
Camera	Image Sensor	1/3 inch SONY vertical double density interline CCD
	Effective Pixels	PAL: 752 (H) × 582 (V)
	Horizontal Resolution	540TVL (Color), 600TVL (B/W)
	Signal System	PAL
	Min. Illumination (Color)	0.1Lux @ F1.2, 0.0003Lux @ (F1.2, sensitivity × 256)
	Min. Illumination (B&W)	0.01Lux @ F1.2, 0.00003Lux @ (F1.2, sensitivity × 256)
	Electronic Shutter Speed	1/50s to 1/100,000s
	Day&Night	IR Cut Filter Auto Switch
	Wide Dynamic Range	160X
	Synchronization	Internal / Power synchronization
	Video Output	1Vp-p Composite Output (75Ω/BNC)
	S/N Ratio	More than 50dB
Lens	Lens Mount	C / CS mount
	Auto Iris Lens	DC / Video Drive
Menu	Camera ID	On / Off (15 letters, adjusted position)
	Auto Gain	Low / Middle / High / Off
	D/N Mode	Auto1 / Auto2 / Day / Night
	Auto White Balance	Auto trace WB1/ Auto trace WB2 / Manual / Auto
	Private Mask	On / Off, Maximum 8 Zones
	Motion Detection	Mode 1 / Mode 2 / Off
	Flicker Proof	On / Off
	RS-485	Address / Protocol / Baud Rate
	Language	English / Chinese
	Video	Gama Amendment, Digital Zoom, Digital Noise Reduction, POS/NEG, Mirror, Resolution, Sharpness, Y, C, Blemish Detection
General	Power Supply	24VAC / 20VA ±10%, 12VDC / 300Ma ±10%
	Power Consumption	4W (10W MAX With ICR Working)
	Working Temperature	-10°C ~ 60°C(14°F ~ 140°F)
	Dimensions(mm)	68 × 57 × 133.2 (2.7" × 2.2" × 5.2")
	Weight	500g (1.1lbs)

DS-2CC191P-A
High-definition Color Camera

- 1/3" Sony CCD
- Day/night auto switch
- Auto white balance, auto gain control, electronic shutter control, and backlight compensation
- Flickerless mode
- Auto iris with DC/video driver
- CS lens mount (provide adapter for C mount lens)

Unit: mm

Specifications

		DS-2CC191P-A
Camera	Image Sensor	1/3 inch SONY Super HAD CCD
	Effective Pixels	PAL: 752 (H) × 582 (V)
	Horizontal Resolution	540TVL
	Signal System	PAL
	Min. Illumination	0.05Lux @ F1.2
	Electronic Shutter Speed	1/50s to 1/100,000s
	Day&Night	Electronic
	Synchronization	Internal / Power synchronization
	Video Output	1Vp-p Composite Output (75Ω/BNC)
	S/N Ratio	More than 50dB
	BLC	ON / OFF
Lens	Lens Mount	C / CS mount
	Auto Iris Lens	DC / Video Drive
General	Power Supply	24VAC / 12VDC, ±10%
	Power Consumption	3W MAX
	Working Temperature	-10°C ~ 60°C
	Dimensions(mm)	68 × 57 × 133.2 (2.7" × 2.2" × 5.2")
	Weight	500g (1.1lbs)

DS-2CC102/112/192P(N)(-A)
Color Box Camera

- 1/3" Sony CCD
- Day/night auto switch
- Auto white balance, auto gain control, electronic shutter control, and backlight compensation
- Flickerless mode
- Auto iris with DC/video driver
- CS mount lens (provide adapter for C mount lens)

Unit: mm
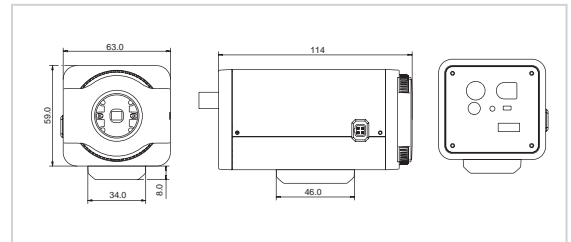
Specifications

		DS-2CC102P(N)(-A)	DS-2CC112P(N)(-A)	DS-2CC192P(N)(-A)
Camera	Image Sensor	1/3 inch SONY Super HAD CCD		
	Effective Pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
	Horizontal Resolution	420TVL	480TVL	540TVL
	Signal System	PAL / NTSC		
	Min. Illumination	0.1Lux @ F1.2		
	Electronic Shutter Speed	1/50 (1/60)s to 1/100,000s		
	Day&Night	Electronic		
	Synchronization	Internal synchronization		
	Video Output	1Vp-p Composite Output (75Ω/BNC)		
	S/N Ratio	More than 48dB		
	BLC	ON / OFF		
Lens	Lens Mount	C / CS mount		
	Auto Iris Lens	DC / Video Drive		
General	Power Supply	12VDC, ±10%, "-A" series support 12V DC / 24V AC, ±10%.		
	Power Consumption	2W MAX ("-A" series 3.5MAX)		
	Working Temperature	-10°C ~ 60°C		
	Dimensions(mm)	63 × 59 × 114(2.5" × 2.34"×4.52")		
	Weight	550g (1.2lbs)		

DS-2CC132P/132N
CMOS-based Color Box Camera

- Compact design
- 1/4" CMOS
- Day/night auto switch
- Auto white balance, auto gain control, electronic shutter control, and backlight compensation
- Flickerless mode
- CS mount lens (provide adapter for C mount lens)

Unit: mm
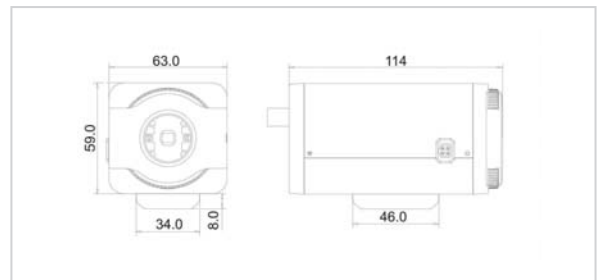
Specifications

		DS-2CC132P/132N
Camera	Image Sensor	1/4 inch CMOS
	Effective Pixels	640 (H) × 480 (V)
	Horizontal Resolution	480TVL
	Signal System	PAL / NTSC
	Min. Illumination	0.1Lux @ F1.2
	Electronic Shutter Speed	1/25 s to 1/15,000 s
	Day&Night	Electronic
	Synchronization	Internal synchronization
	Video Output	1Vp-p Composite Output (75Ω/BNC)
	S/N Ratio	More than 48dB
	BLC	ON / OFF
Lens	Lens Mount	C / CS mount
	Auto Iris Lens	-
General	Power Supply	12VDC, ±10%
	Power Consumption	2W MAX
	Working Temperature	-10°C ~ 60°C
	Dimensions(mm)	63 × 59 × 114(2.5" × 2.34"×4.52")
	Weight	550g (1.2lbs)

DS-2CC511/591P(N)-A
Analog Color Camera

- Compact design
- 1/3" Sony CCD
- Day/night auto switch
- Low Illumination: 0.1Lux/F1.2, color to B/W auto switch
- Auto white balance, auto gain control, electronic shutter control, and backlight compensation
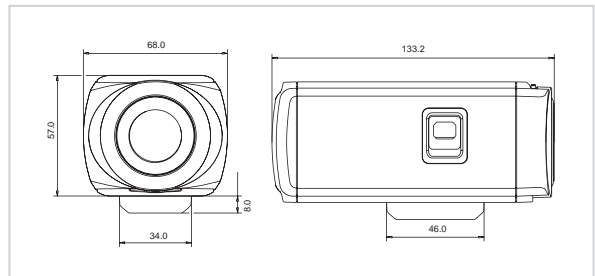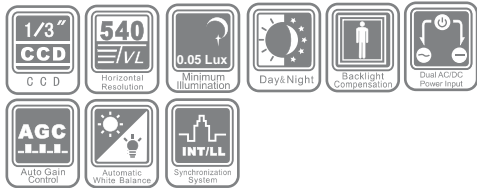
Unit: mm
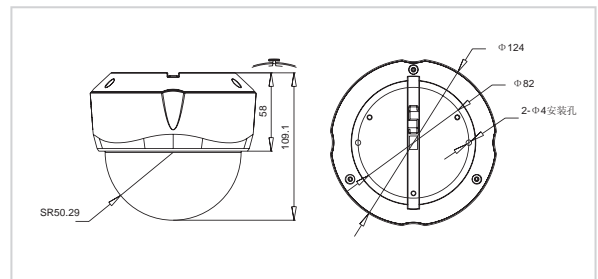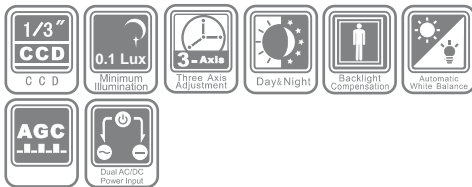
Specifications

		DS-2CC511P(N)-A	DS-2CC591P(N)-A
Camera	Image Sensor	1/3 inch SONY Super HAD CCD	
	Effective Pixels	PAL: 752 (H) × 582 (V), NTSC: 768 (H) × 494 (V)	
	Horizontal Resolution	480TVL	540TVL
	Signal System	PAL / NTSC	
	Min. Illumination	0.1Lux @ F1.2	
	Electronic Shutter Speed	1/50 (1/60)s to 1/100,000s	
	Day&Night	Electronic	
	Synchronization	Internal Synchronization	
	Video Output	1Vp-p Composite Output (75Ω / BNC)	
	S/N Ratio	More than 48 dB	
	White Balance	Auto	
	BLC	ON / OFF	
Lens	Lens	3.5~9mm Auto Iris Lens (2.8-11mm auto iris lens option)	
	Horizontal Adjustment Range	0°~355°	
	Vertical Adjustment Range	0°- 90°	
General	Power Supply	24VAC / 12V DC, ±10%	
	Power Consumption	3.5W MAX	
	Working Temperature	-10°C~60°C	
	Dimensions(mm)	Φ124 × 109.1 (Φ4.9" ×4.3")	
	Weight	400g (0.88lbs)	

DS-2CC593P-A
Vari-focus Color Dome Camera

- Compact design
- 1/3" Sony CCD
- Day/night with auto switch
- Min. Illumination: 0.1Lux@F1.2, color to B/W auto switch
- Auto white balance, auto gain control, electronic shutter control and backlight compensation
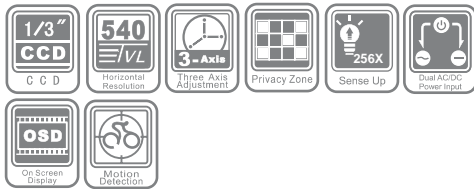
Unit: mm
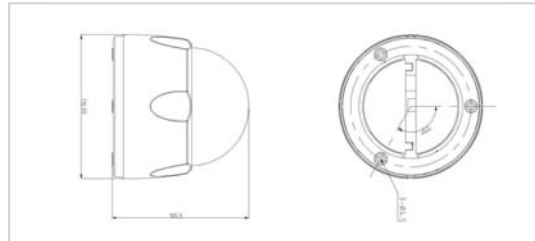
Specifications

		DS-2CC593P-A
Camera	Image Sensor	1/3 inch SONY Super HAD CCD
	Effective Pixels	PAL: 752 (H) × 582 (V)
	Horizontal Resolution	540TVL
	Signal System	PAL / NATC
	Min. Illumination	0.05Lux @ F1.2
	Electronic Shutter Speed	1/50(1/60)s~1/100,000s
	Day&Night	Electronic
	Synchronization	Internal / Power Synchronization
	Video Output	1Vp-p Composite Output (75Ω / BNC)
	S/N Ratio	More than 50 dB
	White Balance	Auto
	BLC	ON / OFF
Lens	Lens	3.7~12mm@F1.6
	Horizontal Adjustment Range	0°~355°
	Vertical Adjustment Range	0°- 90°
General	Power Supply	24VAC / 12VDC, ±10%
	Power Consumption	3.5W MAX
	Working Temperature	-10°C~60°C
	Dimensions(mm)	Φ108×99 (Φ4.28" ×4.39")
	Weight	350g (0.77lbs)

DS-2CC502/512P (N)(-A)
DS-2CC592P (N)
Color Dome Camera

- Compact design
- 1/3" Sony CCD
- Day/night with auto switch
- Min. Illumination: 0.1Lux@F1.2, color to B/W auto switch
- Auto white balance, auto gain control, electronic shutter control and backlight compensation

Unit: mm
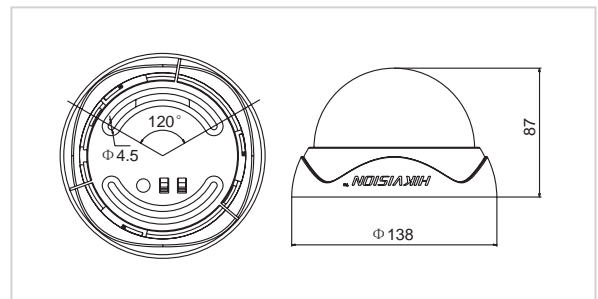
Specifications

		DS-2CC502P(N)(-A)	DS-2CC512P(N)(-A)	DS-2CC592P(N)
Camera	Image Sensor	1/3 inch SONY Super HAD CCD		
	Effective Pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
	Horizontal Resolution	420TVL	480TVL	540TVL
	Signal System	PAL / NTSC		
	Min. Illumination	0.1Lux @ F1.2		
	Electronic Shutter Speed	1/50 (1/60)s to 1/100,000s		
	Day&Night	Electronic		
	Synchronization	Internal Synchronization		
	Video Output	1Vp-p Composite Output (75Ω / BNC)		
	S/N Ratio	More than 48 dB		
	BLC	ON		
Lens	Lens	3.6mm @ F2.0 (2.8mm, 6mm, 8mm, 12mm, 16mm option)		
General	Power Supply	12VDC, ±10% , (-A) Support 24VAC / 12VDC		
	Power Consumption	2W MAX		
	Working Temperature	-10°C~60°C		
	Dimensions(mm)	Φ138 x 87 (Φ5.5" x 3.45")		
	Weight	380g (0.83lbs)		

DS-2CC502/512/592P(N)-FB
Vandal Proof Color Camera

- Compact design
- 1/3" Sony CCD
- Day/night auto switch
- Low Illumination: 0.1Lux@F1.2
- Auto white balance, auto gain control, electronic shutter control and backlight compensation
- Internal synchronization

Unit: mm
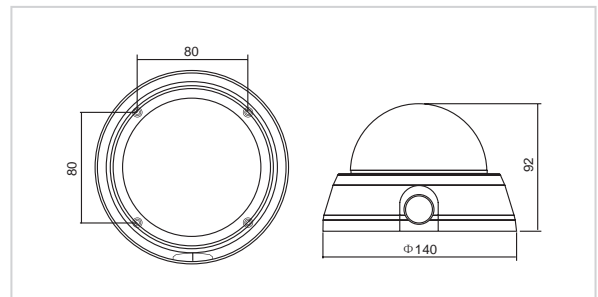
Specifications

		DS-2CC502P(N)-FB	DS-2CC512P(N)-FB	DS-2CC592P(N)-FB
Camera	Image Sensor	1/3 inch SONY Super HAD CCD		
	Effective Pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
	Horizontal Resolution	420TVL	480TVL	540TVL
	Signal System	PAL / NTSC		
	Min. Illumination	0.1Lux @ F1.2		
	Electronic Shutter Speed	1/50 (1/60)s to 1/100,000s		
	Day&Night	Electronic		
	Synchronization	Internal Synchronization		
	Video Output	1Vp-p Composite Output (75Ω / BNC)		
	S/N Ratio	More than 48 dB		
	BLC	ON		
	Impact Protection	IEC60068-275 test, Eh, 50J; EN50102, exceeding IK10.		
Lens	Lens	3.5 ~ 8mm (4 ~ 9mm option)		
General	Power Supply	12 VDC, ±10%		
	Power Consumption	2W MAX		
	Working Temperature	-10°C ~ 60°C		
	Dimensions(mm)	Φ140 × 92 (Φ5.55" × 3.65")		
	Weight	660g (1.45lbs)		

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DS-2CC532P/N
CMOS-based Color Dome Camera

- Compact design
- 1/4" CMOS
- Day/night with auto switch
- Auto white balance, auto gain control, electronic shutter control and backlight compensation
- Internal synchronization

Unit: mm
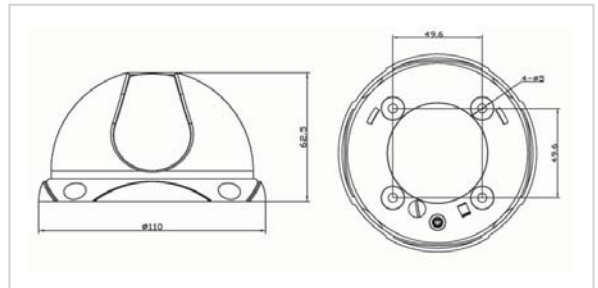
Specifications

		DS-2CC532P/N
Camera	Image Sensor	1/4 inch CMOS
	Effective Pixels	640 (H) × 480 (V)
	Horizontal Resolution	480TVL
	Signal System	PAL / NTSC
	Min. Illumination	0.1Lux @ F1.2
	Electronic Shutter Speed	1/25s to 1/15,000s
	Day&Night	Electronic
	Synchronization	Internal Synchronization
	Video Output	1Vp-p Composite Output (75Ω / BNC)
	S/N Ratio	More than 48 dB
	BLC	ON
Lens	Lens	3.6mm @ F2.0 (6mm, 8mm, 12mm, 16mm option)
General	Power Supply	12VDC, ±10%
	Power Consumption	2W MAX
	Working Temperature	-10°C ~ 60°C
	Dimensions(mm)	Φ110 × 62 (Φ4.36" × 2.46")
	Weight	330g (0.72lbs)

DS-2CC102/112/192P(N)-IRA Color IR Camera

- Compact design
- 1/3" Sony CCD
- Minimum Illumination: 0.1Lux/F1.2 (0 Lux with IR)
- IR Distance: Approx 100m to 110m
- Auto white balance, auto gain control, electronic shutter control and backlight compensation
- Internal synchronization
- Weather Proof: IP66 standard

Unit: mm

Specifications

		DS-2CC102P(N)-IRA	DS-2CC112P(N)-IRA	DS-2CC192P(N)-IRA
Camera	Image Sensor	1/3 inch SONY Super HAD CCD		
	Effective Pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
	Horizontal Resolution	420TVL	480TVL	540TVL
	Signal System	PAL / NTSC		
	Min. Illumination	0.1Lux @ F1.2 (0 LUX with IR)		
	Electronic Shutter Speed	1/50 (1/60)s to 1/100,000s		
	Synchronization	Internal Synchronization		
	Video Output	1Vp-p Composite Output (75Ω / BNC)		
	S/N Ratio	More than 48 dB		
	BLC	ON		
Lens	Lens	25 mm default (16 mm optional)		
General	IR Distance	Approx 100m to 110m		
	Water and Dust Resistance	IP66		
	Power Supply	24VAC±10% (12VDCV±10% Option)		
	Power Consumption	15W		
	Working Temperature	-10°C ~ 60°C		
	Dimensions(mm)	255×177×95 (10" ×7.02" × 3.76")		
	Weight	2500g (5.5lbs)		

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DS-2CC102/112/192P(N)-IR Color IR Camera

- Compact design
- 1/3" Sony CCD
- Minimum Illumination: 0.1Lux/F1.2 (0 Lux with IR)
- Auto white balance, auto gain control, electronic shutter control and backlight compensation
- Internal synchronization
- Weather Proof: IP66 standard

Unit: mm
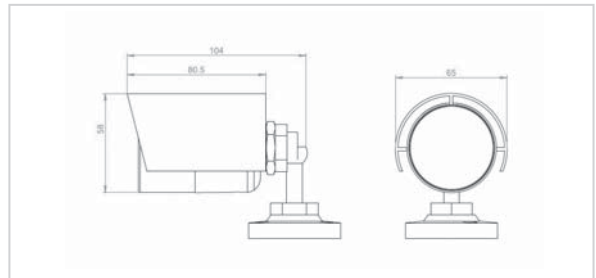
Specifications

		DS-2CC102P(N)-IR	DS-2CC112P(N)-IR	DS-2CC192P(N)-IR
Camera	Image Sensor	1/3 inch SONY Super HAD CCD		
	Effective Pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
	Horizontal Resolution	420TVL	480TVL	540TVL
	Signal System	PAL / NTSC		
	Min. Illumination	0.1Lux @ F1.2 (0 LUX with IR)		
	Electronic Shutter Speed	1/50 (1/60)s to 1/100,000s		
	Synchronization	Internal Synchronization		
	Video Output	1Vp-p Composite Output (75Ω / BNC)		
	S/N Ratio	More than 48 dB		
	BLC	ON		
Lens	Lens	6mm (3.6mm, 2.8mm option)		
General	IR Distance	Approx 10 to 20 meters		
	Water and Dust Resistance	IP66		
	Power Supply	24VAC ±10% (12VDC ±10% Option)		
	Power Consumption	3W MAX		
	Working Temperature	-10°C ~ 60°C		
	Dimensions(mm)	Φ58 × 80.5 (Φ2.3"× 3.2")		
	Weight	250g (0.55lbs)		

DS-2CC102/112/192P(N)-IR3
Color IR Camera

- Compact design
- 1/3" Sony CCD
- Minimum Illumination: 0.1Lux/F1.2 (0 Lux with IR)
- Auto white balance, auto gain control, electronic shutter control and backlight compensation
- Internal synchronization
- Weather Proof: IP66 standard

Unit: mm
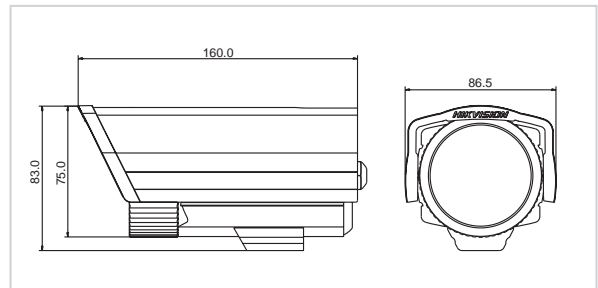
Specifications

		DS-2CC102P(N)-IR3	DS-2CC112P(N)-IR3	DS-2CC192P(N)-IR3
Camera	Image Sensor	1/3 inch SONY Super HAD CCD		
	Effective Pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
	Horizontal Resolution	420TVL	480TVL	540TVL
	Signal System	PAL / NTSC		
	Min. Illumination	0.1Lux @ F1.2 (0 LUX with IR)		
	Electronic Shutter Speed	1/50 (1/60)s to 1/100,000s		
	Synchronization	Internal Synchronization		
	Video Output	1Vp-p Composite Output (75Ω / BNC)		
	S/N Ratio	More than 48 dB		
	BLC	ON		
Lens	Lens	12mm (3.6mm, 6mm, 8mm, 16mm option)		
General	IR Distance	Approx 30 to 40 meters		
	Water and Dust Resistance	IP66		
	Power Supply	12VDC, ±10%		
	Power Consumption	6W MAX		
	Working Temperature	-10°C ~ 60°C		
	Dimensions(mm)	86.5 × 83 × 160 (3.43" × 3.29" × 6.34")		
	Weight	1000g (2.2lbs)		

DS-2CC102/112/192P(N)-IR5 Color IR Camera

- Compact design
- 1/3" Sony CCD
- Minimum Illumination: 0.1Lux/F1.2 (0 Lux with IR)
- Auto white balance, auto gain control, electronic shutter control and backlight compensation
- Internal synchronization
- Weather Proof: IP66 standard

Unit: mm

160.0
86.5
83.0
75.0
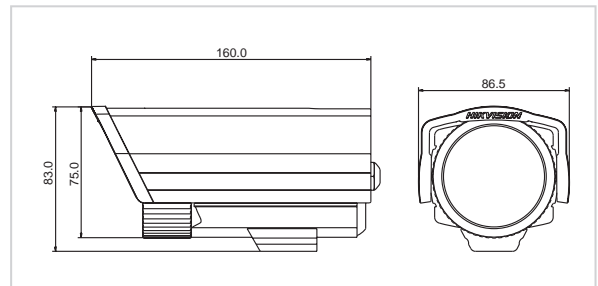
Specifications

		DS-2CC102P(N)-IR5	DS-2CC112P(N)-IR5	DS-2CC192P(N)-IR5
Camera	Image Sensor	1/3 inch SONY Super HAD CCD		
	Effective Pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
	Horizontal Resolution	420TVL	480TVL	540TVL
	Signal System	PAL / NTSC		
	Min. Illumination	0.1Lux @ F1.2 (0 LUX with IR)		
	Electronic Shutter Speed	1/50 (1/60)s to 1/100,000s		
	Synchronization	Internal Synchronization		
	Video Output	1Vp-p Composite Output (75Ω / BNC)		
	S/N Ratio	More than 48 dB		
	BLC	ON		
Lens	Lens	16mm (3.6mm, 6mm, 8mm, 12mm option)		
General	IR Distance	Approx 50 to 60 meters		
	Water and Dust Resistance	IP66		
	Power Supply	12VDC, ±10%		
	Power Consumption	8W MAX		
	Working Temperature	-10°C ~ 60°C		
	Dimensions(mm)	86.5 × 83 × 160 (3.43" × 3.29" × 6.34")		
	Weight	1000g (2.2lbs)		

HIKVISION

DS-2CC502/512/592P(N)-IR
Color IR Dome Camera

- Compact design
- 1/3" Sony Super HAD CCD
- Minimum Illumination: 0.1Lux/F1.2 (0 LUX with IR)
- Day/night auto switch
- Auto white balance, auto gain control, electronic shutter control and backlight compensation
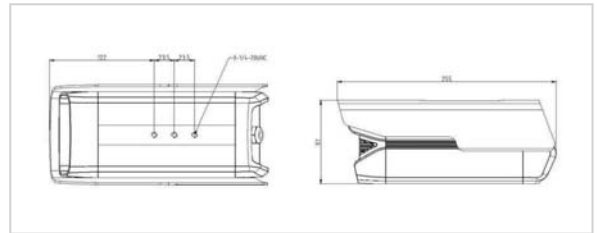- Weather Proof: IP66 standard

Unit: mm
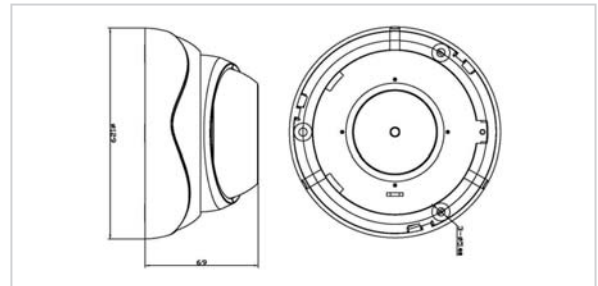
Specifications

		DS-2CC502P(N)-IR	DS-2CC512P(N)-IR	DS-2CC592P(N)-IR
Camera	Image Sensor	1/3 inch SONY Super HAD CCD		
	Effective Pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
	Horizontal Resolution	420TVL	480TVL	540TVL
	Signal System	PAL / NTSC		
	Min. Illumination	0.1Lux @ F1.2 (0 LUX with IR)		
	Electronic Shutter Speed	1/50 (1/60)s to 1/100,000s		
	Synchronization	Internal Synchronization		
	Video Output	1Vp-p Composite Output (75Ω / BNC)		
	S/N Ratio	More than 48 dB		
	BLC	ON		
Lens	Lens	6mm (3.6mm, 2.8mm option)		
General	IR Distance	Approx 10 to 20 meters		
	Water and Dust Resistance	IP66		
	Power Supply	12VDC, ±10%		
	Power Consumption	3W MAX		
	Working Temperature	-10°C ~ 60°C		
	Dimensions(mm)	89.5×60 (3.56"×2.38")		
	Weight	400g (0.88lbs)		

HIKVISION

DS-2CC502/512/592P(N)-IR3 Color IR Dome Camera

- Compact design
- 1/3" Sony Super HAD CCD
- Minimum Illumination: 0.1Lux/F1.2 (0 LUX with IR)
- Day/night auto switch
- Auto white balance, auto gain control, electronic shutter control and backlight compensation
- Weather Proof: IP66 standard

Unit: mm

1/3" CCD	0.1 Lux	Day & Night	Automatic White Balance	AGC Auto Gain Control	Backlight Compensation
C C D	Minimum Illumination				

IP66
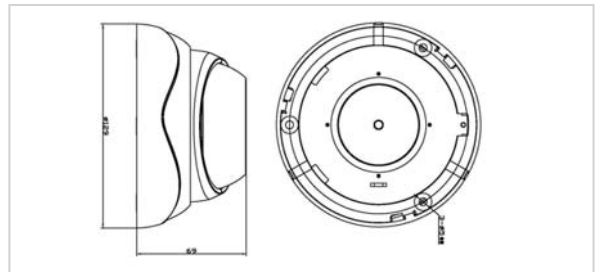
Specifications

		DS-2CC502P(N)-IR3	DS-2CC512P(N)-IR3	DS-2CC592P(N)-IR3
Camera	Image Sensor	1/3 inch SONY Super HAD CCD		
	Effective Pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
	Horizontal Resolution	420TVL	480TVL	540TVL
	Signal System	PAL / NTSC		
	Min. Illumination	0.1Lux @ F1.2 (0 LUX with IR)		
	Electronic Shutter Speed	1/50 (1/60)s to 1/100,000s		
	Synchronization	Internal Synchronization		
	Video Output	1Vp-p Composite Output (75Ω / BNC)		
	S/N Ratio	More than 48 dB		
	BLC	ON		
Lens	Lens	12mm (3.6mm, 6mm, 8mm, 16mm option)		
General	IR Distance	Approx 30 to 40 meters		
	Water and Dust Resistance	IP66		
	Power Supply	12VDC, ±10%		
	Power Consumption	6W MAX		
	Working Temperature	-10°C ~ 60°C		
	Dimensions(mm)	Φ112.4 × 80 (Φ4.42" × 3.15")		
	Weight	700g(1.54lbs)		

DS-2CZ232P/N
22x Color Zoom Camera

- 1/4" Sony CCD
- 480TVL
- 22X optical zoom
- OSD menu
- Auto iris
- Min. Illumination: 0.1Lux @ F1.6

Unit: mm

1/4" CCD	0.1 Lux	Day&Night	Automatic White Balance	AGC	Backlight Compensation
C C D	Minimum Illumination	Day&Night	Automatic White Balance	Auto Gain Control	Backlight Compensation

OSD	Motion Detection	22x	50dB S/N Ratio
On Screen Display	Motion Detection	22x	S/N Ratio
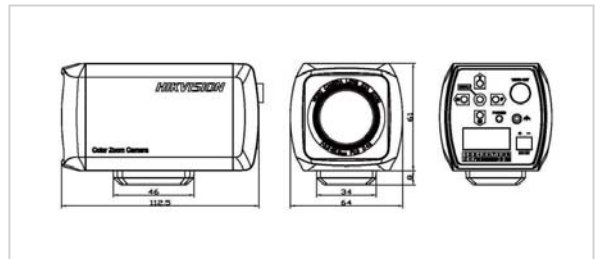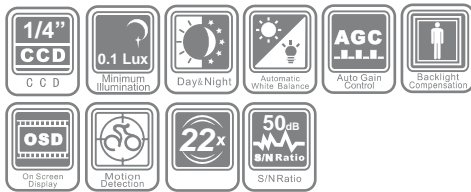
Specifications

		DS-2CZ232P/N
Camera	Image Sensor	1/4 inch SONY Interline Transfer Super HAD CCD
	Effective Pixels	PAL: 752 (H) × 582 (V); NTSC: 768 (H) × 494 (V)
	Horizontal Resolution	480 TVL
	Signal System	PAL/NTSC
	Min. Illumination	0.1Lux @ F1.6
	Electronic Shutter Speed	1/50(1/60)s to 1/100,000s
	Day&Night	Electronic, Auto / Color / B&W
	Synchronization	Internal Synchronization
	Video Output	1Vp-p Composite Output (75Ω/BNC)
	S/N Ratio	More than 50dB
Lens	Zoom Ratio	22X Optical Zoom
	Aperture Range	F1.6, f=3.9 ~ 85.8mm
Menu	Camera ID	On / Off (001-254, fixed position)
	Language	English, Chinese
	Iris	Auto / Manual
	Auto Gain	Low / High / Off
	Auto Focus	Auto / Manual / Once
	Auto White Balance	ATW1 / ATW2 /Auto / Manual(Pre-set 3200K, Pre-set 5600K, R / G Gain Correction)
	Motion Detection	On / Off (Zone, Sensitivity)
	Special Function	BLC, POS/NEG, Focus-changing Speed (4 levels), Definition
	Communication Interface	RS-485, PELCO-P/D, Baud Rate, Address, PTZ Control
General	Power Supply	12VDC, ±10%
	Power Consumption	4W
	Working Temperature	-10°C ~ 60°C
	Dimensions(mm)	64 × 61 × 112.5 (2.53" × 2.42" × 4.46")
	Weight	375g (0.82lbs)

HIKVISION

DS-2CZ252P
23x Color Zoom Camera

- Compact Design
- 1/4" Sony CCD
- 480TVL
- 23X optical zoom
- IR cut filter auto switch
- OSD menu
- Auto iris

Unit: mm
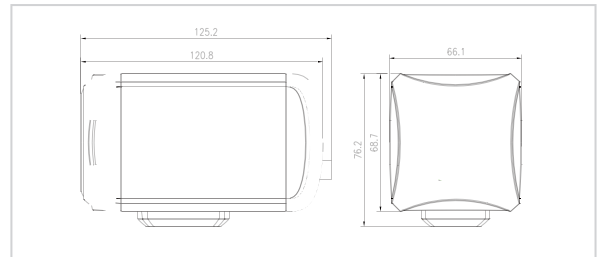
Specifications

		DS-2CZ252P/N
Camera	Image Sensor	1/4 inch SONY Interline Transfer Super HAD CCD
	Effective Pixels	PAL: 752 (H) × 582 (V); NTSC: 768 (H) × 494 (V)
	Horizontal Resolution	Color: 480 TVL; B/W: 520 TVL
	Signal System	PAL/NTSC
	Min. Illumination	Color: 0.2Lux @ F1.6; B/W: 0.02Lux @ F1.6
	Electronic Shutter Speed	1/50(1/60)s to 1/100,000s
	Day&Night	IR Cut Filter Auto Switch
	Synchronization	Internal Synchronization
	Video Output	1Vp-p Composite Output (75Ω/BNC)
	S/N Ratio	More than 48dB
Lens	Zoom Ratio	23X Optical Zoom
	Aperture Range	F1.6, f=3.84 ~ 88.4mm
Menu	Camera ID	On / Off (001-254, fixed position)
	Language	English, Chinese
	Iris	Auto / Manual
	Auto Gain	Low / High / Off
	Auto Focus	Auto / Manual / Once
	Auto White Balance	ATW1 / ATW2 /Auto / Manual(Pre-set 3200K, Pre-set 5600K, R / G Gain Correction)
	Motion Detection	On / Off (Zone, Sensitivity)
	Special Function	BLC, POS/NEG, Focus-changing Speed (4 levels), Definition
	Communication Interface	RS-485, PELCO-P/D, Baud Rate, Address, PTZ Control (Optional Mode)
General	Power Supply	12VDC, ±10%
	Power Consumption	4.8W MAX
	Working Temperature	-10°C ~ 60°C
	Dimensions(mm)	68.7 × 66.1 × 125 (2.7" × 2.6" × 4.9")
	Weight	550g (1.21lbs)

IP CAMERA

HIKVISION

DS-2CD862MF-E
1.3 Megapixel CCD-based IP Camera

- Linux OS embedded
- TI DaVinci hardware compression
- H.264 / MPEG4 dual stream video compression
- HD720P (1280x720) for VGA monitor real-time high resolution video display
- SDHC card for local storage
- IR cut filter auto switch

Unit: mm
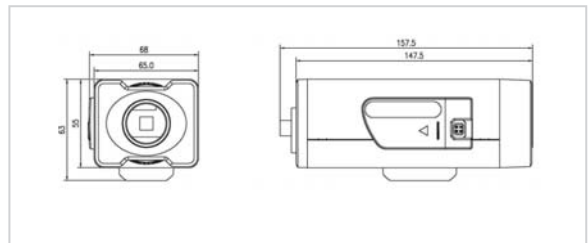
Specifications

		DS-2CD862MF-E
Camera	Image Sensor	1/3 inch SONY progressive scan CCD
	Effective Pixels	1280 (H) × 960 (V), 1.3M CCD
	Min. Illumination	Color: 0.1Lux @ F1.2, B / W: 0.01Lux @ F1.2
	Electronic Shutter Speed	1/4s to 1/100,000 s
	Auto Iris Lens	DC Drive or Video Drive
	Day&Night	ICR
	S/N Ratio	More than 50dB
	Lens Mount	C / CS mount
	Video Output	1Vp-p Composite Output (75Ω/BNC)
Compression Standard	Video Compression	H.264 or MPEG-4
	Video Bit Rate	32 K ~ 2M, adjustable (8Mbps maximum)
	Audio Compression	OggVorbis
Image	Max. Image Resolution	1280 × 960
	Frame Rate	12.5fps(1280 × 960), 25fps (1280 × 720), 25fps (640 × 480)
Functions	Motion Detection	Support
	Dual Stream	Support
	SD Card Local Recording	Support
	Heartbeat	Support
	Password Protectoin	Support
	Protocols	TCP/IP,HTTP,DHCP,DNS,RTP/RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible)
Interface	Audio Input	1 channel 3.5mm audio interface (2.0 ~ 2.4Vp-p, 1kΩ)
	Audio Output	1 channel 3.5mm audio interface (Line level, 600Ω)
	Communication	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface
	Alarm Input	1 channel input
	Alarm Output	1 channel signal relay output
General	Power Supply	24VAC, ±10% / 12VDC, ±10%, PoE (Power over Ethernet).
	Power Consumption	4W MAX (10W max with ICR working)
	Working Temperature	-10°C ~ 60°C
	Dimensions	68.5 x 63 x 157.5(2.71" x 2.5" x 6.25")
	Weight	600g (1.32lbs)

First Choice for Security Professionals

DS-2CD852MF-E
2.0 Megapixel IP Camera

- Linux OS embedded
- TI DaVinci hardware compression
- H.264 / MPEG4 dual stream video compression
- High resolution video preview: UXGA (1600x1200 pixels)
- SDHC card for local storage
- Motion detection and PC client notification

Unit: mm

1/3" CMOS	SD	PoE	Progressive Scan	Dual Stream	Mobile Surveillance

Voice Talk	Web Server
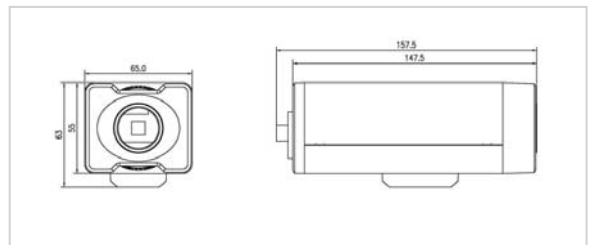
Specifications

		DS-2CD852MF-E
Camera	Image Sensor	1/3 inch CMOS
	Effective Pixels	1600 (H) × 1200 (V)
	Min. Illumination	0.5Lux @ F1.2; 0.1Lux @ F1.2, sense up × 5
	Electronic Shutter	Auto
	Day&Night	Electronic (ICR option)
	Lens Mount	C / CS mount
	Video Output	1Vp-p Composite Output (75Ω/BNC)
Compression Standard	Video Compression	H.264 or MPEG-4
	Video Bit Rate	32 K ~ 2M, adjustable (8Mbps maximum)
	Audio Compression	OggVorbis
Image	Max. Image Resolution	1600 x 1200
	Frame Rate	12.5fps (1600 x 1200), 25fps (1280 x 720), 25fps (704 x 576), 30fps (704 x 480)
Functions	ePTZ	Support
	Motion Detection	Support
	Dual Stream	Support
	SD Card Local Recording	Support
	Heartbeat	Support
	Password Protection	Support
	Protocols	TCP/IP,HTTP,DHCP,DNS,RTP/RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible)
Interface	Audio Input	1 channel 3.5mm audio interface (2.0 ~ 2.4Vp-p, 1kΩ)
	Audio Output	1 channel 3.5mm audio interface (Line level, 600Ω)
	Communication	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface
	Alarm Input	1 channel input
	Alarm Output	1 channel signal relay output
General	Power Supply	24VAC, ±10% / 12VDC, ±10%, PoE (Power over Ethernet).
	Power Consumption	4W MAX
	Working Temperature	-10°C ~ 60°C
	Dimensions	64.8 x 63 x 157.5 (2.57"x 2.5" x 6.25")
	Weight	600g (1.32lbs)

DS-2CD802/812/892PF (NF)(-E)(-W) CCD-based IP Camera

- High performance Sony CCD
- Linux OS embedded
- TI DaVinci hardware compression
- H.264 / MPEG4 dual stream video compression (4CIF / DCIF / 2CIF / CIF / QCIF real time compression)
- Support variable bit rate and frame rate
- SDHC card for local storage

Unit: mm
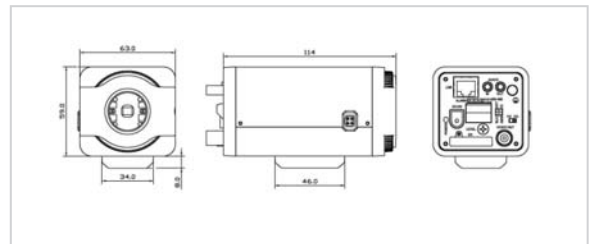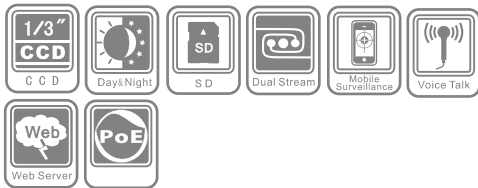
Specifications

		DS-2CD802PF (NF) (-E) (-W)	DS-2CD812PF (NF) (-E) (-W)	DS-2CD892PF (NF) (-E) (-W)
Camera	Image Sensor	1/3 inch SONY Super HAD CCD		
	Effective Pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
	Signal System	PAL / NTSC		
	Min. Illumination	0.1Lux @ F1.2		
	Electronic Shutter Speed	1/50 (1/60)s ~ 1/100,000s		
	Day&Night	Electronic		
	Auto Iris Lens	DC / Video		
	Lens Mount	C / CS mount		
	S/N Ratio	More than 48dB		
	Video Output	420 TVL, 1Vpp Composite Output (75Ω / BNC)	480TVL, 1Vpp Composite Output (75Ω / BNC)	540TVL, 1Vpp Composite Output (75Ω / BNC)
Compression Standard	Video Compression	H.264 or MPEG-4		
	Video Bit Rate	32 K ~ 2M, adjustable (8Mbps maximum)		
	Audio Compression	OggVorbis		
Image	Image Resolution	PAL: 704 × 576, 528 × 384, 704 × 288, 352 × 288, 176 × 144 NTSC: 704 × 480, 528 × 320, 704 × 240, 352 × 240, 176 × 120		
	Frame Rate	25 fps (704 × 576), 30fps (704 × 480)		
Functions	Motion Detection	Support		
	Dual Stream	Support		
	SD Card Local Recording	Support		
	Heartbeat	Support		
	Password Protection	Support		
	Protocols	TCP / IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible) ; (-W) series support IEEE802.11g Wireless, 2.4GHz Frequency.		
Interface	Audio Input	1 channel 3.5mm audio interface (2.0 ~ 2.4Vp-p, 1kΩ)		
	Audio Output	1 channel 3.5mm audio interface (Line level, 600Ω)		
	Communication	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface		
	Alarm Input	1 channel signal input		
	Alarm Output	1 channel relay output		
General	Power Supply	12VDC, ±10%, (-E) series support PoE (Power over Ethernet)		
	Power Consumption	4W MAX		
	Working Temperature	-10°C ~ 60°C		
	Dimensions	63 × 59 × 114 (2.5" × 2.34" × 4.5")		
	Weight	650g (1.21lbs)		

HIKVISION

DS-2CD832F (-E)
CMOS-based IP Camera

- High performance Sony CCD
- Linux OS embedded
- TI DaVinci hardware compression
- H.264 / MPEG4 dual stream video compression
  (4CIF / DCIF / 2CIF / CIF / QCIF real time compression)
- Support variable bit rate and frame rate
- SDHC card for local storage

Unit: mm

1/4" CMOS	Day&Night	S D	Dual Stream	Mobile Surveillance	Voice Talk

Web Server	P o E
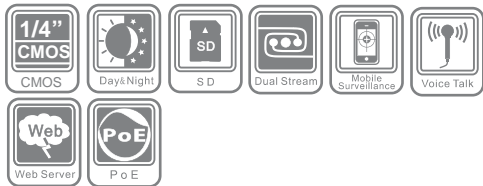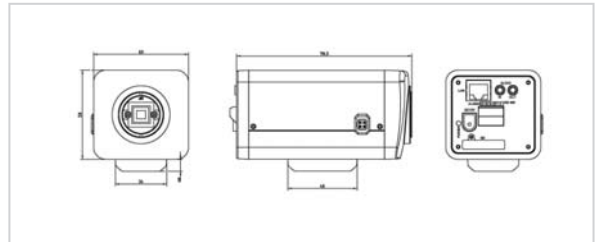
Specifications

		DS-2CD832F (-E)
Camera	Image Sensor	1/4 inch CMOS
	Effective Pixels	640 (H) × 480 (V)
	Min. Illumination	0.4Lux @ F1.2
	Day&Night	Electronic
	Lens Mount	C / CS mount
Compression Standard	Video Compression	H.264 or MPEG-4
	Video Bit Rate	32 K ~ 2M, adjustable (8Mbps maximum)
	Audio Compression	OggVorbis
Image	Image Resolution	704 x 576, 640 x 480, 528 x 384, 704 x 288, 352 x 288, 176 x 144
	Frame Rate	25fps (704 x 576)
Functions	Motion Detection	Support
	Dual Stream	Support
	SD Card Local Recording	Support
	Heartbeat	Support
	Password Protection	Support
	Protocols	TCP/IP,HTTP,DHCP,DNS,RTP/RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible)
Interface	Audio Input	1 channel 3.5mm audio interface (2.0 ~ 2.4Vp-p, 1kΩ)
	Audio Output	1 channel 3.5mm audio interface (Line level, 600Ω)
	Communication	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface
	Alarm Input	1 channel signal input
	Alarm Output	1 channel relay output
General	Power Supply	12VDC, ±10%, (-E) series support PoE (Power over Ethernet)
	Power Consumption	3W MAX
	Working Temperature	-10°C ~ 60°C
	Dimensions	63 × 59 × 116 (2.5" × 2.34" × 4.51")
	Weight	650g (1.21lbs)

DS-2CD752MF-E
2.0 Megapixel IP Dome Camera

- Linux OS embedded
- TI DaVinci hardware compression
- High resolution video preview: 1600×1200 pixels
- H.264 / MPEG-4 dual stream real time video compression in HD720P/4CIF/DCIF/2CIF/CIF/QCIF
- SDHC card local storage
- Support IE client for network preview

Unit: mm

| 1/3" CMOS | Day&Night | S D | Dual Stream | Mobile Surveillance | Voice Talk |
| Web Server | P o E | Progressive Scan | Three Axis Adjustment | | |
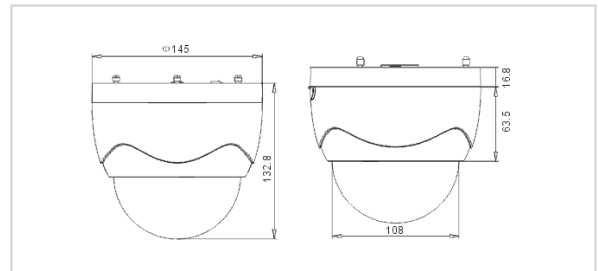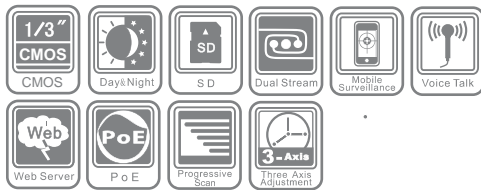
Specifications

		DS-2CD752MF-E
Camera	Image Sensor	1/3 inch CMOS
	Effective Pixels	1600 (H) × 1200 (V)
	Min. Illumination	0.5Lux @ F1.2; 0.1Lux @ F1.2, sense up × 5
	Day&Night	Electronic
	Lens	2.8 ~ 11mm, F1.4 manual Iris lens
	Video Output	1Vp-p Composite Output (75Ω/BNC)
Compression Standard	Video Compression	H.264 or MPEG-4
	Video Bit Rate	32 K ~ 2M, adjustable (8Mbps maximum)
	Audio Compression	OggVorbis
Image	Max. Image Resolution	1600 x 1200
	Frame Rate	12.5fps (1600 x 1200), 25fps (1280 x 720), 25fps (704 x 576), 30fps (704 x 480)
Functions	ePTZ	Support
	Motion Detection	Support
	Dual Stream	Support
	SD Card Local Recording	Support
	Heartbeat	Support
	Password Protection	Support
	Protocols	TCP/IP,HTTP,DHCP,DNS,RTP/RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible)
Interface	Audio Input	1 channel (2.0 ~ 2.4Vp-p,1kΩ)
	Audio Output	1 channel (Line level, 600Ω)
	Communication	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface
	Alarm Input	1 channel signal input
	Alarm Output	1 channel signal relay output
General	Power Supply	12VDC, ±10%, (-E) series support PoE (Power over Ethernet)
	Power Consumption	4W MAX
	Working Temperature	-10°C ~ 60°C
	Dimensions	Φ145 × 132.8 (Φ5.75" × 5.26")
	Weight	900g (1.98lbs)

DS-2CD762MF-FB
1.3 Megapixel CCD-based
Vandal Proof IP Dome Camera

- Linux OS embedded
- TI DaVinci hardware compression
- High resolution video preview: 1600×1200 pixels
- H.264 / MPEG-4 dual stream real time video compression in HD720P/4CIF/DCIF/2CIF/CIF/QCIF
- SDHC card local storage
- Support IE client for network preview

Unit: mm

CCD | Day&Night | SD | Dual Stream | Mobile Surveillance | Voice Talk

Web Server | PoE | Progressive Scan | Vandalproof | IP66
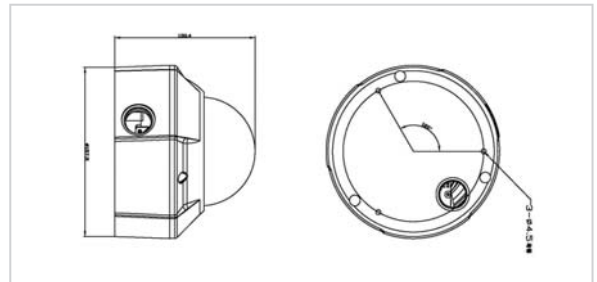
Specifications

		DS-2CD762MF-FB
Camera	Image Sensor	1/3 inch SONY progressive scan CCD
	Effective Pixels	1280 (H) × 960 (V), 1.3M CCD
	Min. Illumination	0.1Lux @ F1.2
	Day&Night	ICR
	Lens	3.3-12mm @ F1.4 /Auto Iris lens
Compression Standard	Video Compression	H.264 or MPEG-4
	Video Bit Rate	32 K ~ 2M, adjustable (8Mbps maximum)
	Audio Compression	OggVorbis
Image	Max. Image Resolution	1280 × 960
	Frame Rate	12.5fps (1280 × 960),25fps(1280 × 720), 25fps (640 × 480)
Functions	ePTZ	-
	Motion Detection	Support
	Dual Stream	Support
	SD Card Local Recording	Support
	Heartbeat	Support
	Password Protection	Support
	Protocols	TCP/IP,HTTP,DHCP,DNS,RTP/RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible)
Interface	Audio Input	1 channel (2.0 ~ 2.4Vp-p,1kΩ)
	Audio Output	1 channel (Line level, 600Ω)
	Communication	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface
	Alarm Input	1 channel signal input
	Alarm Output	1 channel signal relay output
General	Power Supply	24VAC±10% / 12VDC±10% , or PoE (Power over Ethernet)
	Power Consumption	5W
	Working Temperature	-10°C ~ 60°C ("-H" series support-40°C ~ 60°C)
	Weather Proof	IP66
	Impact Protection	IEC60068-275Eh,50J;EN50102, exceeding IK10
	Dimensions	Φ156 × 134.5 (Φ6.2" × 5.33")
	Weight	1400g (3.08lbs)

HIKVISION

DS-2CD752MF-FB
2.0 Megapixel Vandal Proof
IP Dome Camera

- Linux OS embedded
- TI DaVinci hardware compression
- High resolution video preview: 1600×1200 pixels
- H.264 / MPEG-4 dual stream real time video
  compression in HD720P/4CIF/DCIF/2CIF/CIF/QCIF
- SDHC card local storage
- Support IE client for network preview

Unit: mm

CMOS | Day&Night | S D | Dual Stream | Mobile Surveillance | Voice Talk

Web Server | PoE | Progressive Scan | Vandalproof | IP66
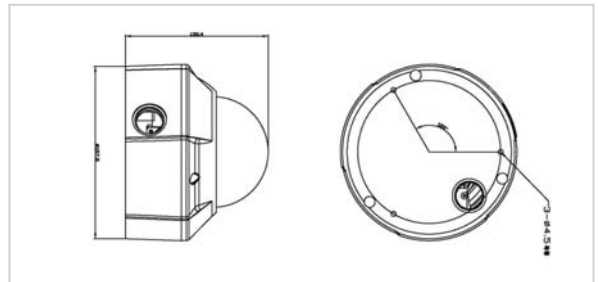
Specifications

		DS-2CD752MF-FB
Camera	Image Sensor	1/3 inch CMOS
	Effective Pixels	1600 (H) × 1200 (V)
	Min. Illumination	0.5Lux @ F1.2; 0.1Lux @ F1.2, sense up × 5
	Day&Night	Electronic (ICR Option)
	Lens	2.7-9mm@ F1.4 / Fixed Iris lens
Compression Standard	Video Compression	H.264 or MPEG-4
	Video Bit Rate	32 K ~ 2M, adjustable (8Mbps maximum)
	Audio Compression	OggVorbis
Image	Max. Image Resolution	1600 x 1200
	Frame Rate	12.5fps (1600 x 1200), 25fps (1280 x 720), 25fps (704 x 576), 30fps (704 x 480)
Functions	ePTZ	Support
	Motion Detection	Support
	Dual Stream	Support
	SD Card Local Recording	Support
	Heartbeat	Support
	Password Protection	Support
	Protocols	TCP/IP,HTTP,DHCP,DNS,RTP/RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible)
Interface	Audio Input	1 channel (2.0 ~ 2.4Vp-p,1kΩ)
	Audio Output	1 channel (Line level, 600Ω)
	Communication	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface
	Alarm Input	1 channel signal input
	Alarm Output	1 channel signal relay output
General	Power Supply	24VAC±10% / 12VDC±10% , or PoE (Power over Ethernet)
	Power Consumption	4W MAX
	Working Temperature	-10°C ~ 60°C ("-H" series support-40°C ~ 60°C)
	Weather Proof	IP66
	Impact Protection	IEC60068-275Eh,50J;EN50102, exceeding IK10
	Dimensions	Φ156 × 134.5 (Φ6.2" × 5.33")
	Weight	1400g (3.08lbs)

First Choice for Security Professionals

# DS-2CD702/712/792PF(NF)(-E) CCD-based IP Dome Camera

- High performance Sony CCD
- Linux OS embedded
- TI DaVinci hardware compression
- H.264 / MPEG-4 dual stream real time video compression in 4CIF/DCIF/2CIF/CIF/QCIF
- SDHC card local storage
- Support IE client for network preview

Unit: mm

CMOS — Day&Night — S D — Dual Stream — Mobile Surveillance — Voice Talk

Web Server — P o E
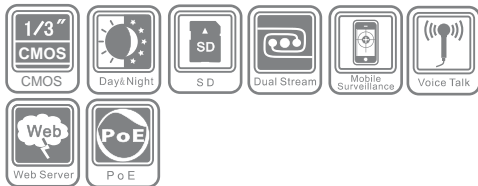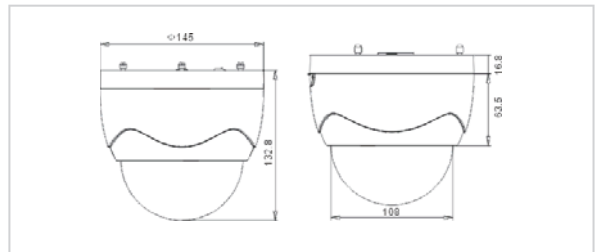
Specifications

		DS-2CD702PF(NF) -E	DS-2CD712PF(NF) -E	DS-2CD792PF(NF) -E
Camera	Image Sensor	1/3 inch SONY Super HAD CCD		
	Effective Pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
	Signal System	PAL / NTSC		
	Min. Illumination	0.1Lux @ F1.2		
	Electronic Shutter Speed	1/50 (1/60)s ~ 1/100,000s		
	Day&Night	Electronic		
	Lens	3.5 ~ 9mm @ F1.2 / Φ14 / Fixed Iris lens		
	S/N Ratio	More than 48dB		
	Video Output	420 TVL, 1Vpp Composite Output (75Ω / BNC)	480TVL, 1Vpp Composite Output (75Ω / BNC)	540TVL, 1Vpp Composite Output (75Ω / BNC)
Compression Standard	Video Compression	H.264 or MPEG-4		
	Video Bit Rate	32 K ~ 2M, adjustable (8Mbps maximum)		
	Audio Compression	OggVorbis		
Image	Image Resolution	PAL: 704 × 576, 528 × 384, 704 × 288, 352 × 288, 176 × 144 NTSC: 704 × 480, 528 × 320, 704 × 240, 352 × 240, 176 × 120		
	Frame Rate	25 fps (704 × 576), 30fps (704 × 480)		
Functions	Motion Detection	Support		
	Dual Stream	Support		
	SD Card Local Recording	Support		
	Heartbeat	Support		
	Password Protection	Support		
	Protocols	TCP / IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE (FTP,SMTP,NTP,SNMP addible)		
	Adjustment Range	355° Pan; 90° Tilt		
Interface	Audio Input	1channel (2.0 ~ 2.4Vp-p, 1kΩ)		
	Audio Output	1 channel (Line level, 600Ω)		
	Communication	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface		
	Alarm Input	1 channel signal input		
	Alarm Output	1 channel relay output		
General	Power Supply	12VDC, ±10%, (-E) series support PoE (Power over Ethernet)		
	Power Consumption	4W MAX		
	Working Temperature	-10°C ~ 60°C		
	Dimensions	Φ145 × 132.8 (Φ5.75" × 5.26")		
	Weight	900g (1.98lbs)		

DS-2CD732F(-E)
IP Dome Camera

- Linux OS embedded
- TI DaVinci hardware compression
- H.264 / MPEG-4 dual stream real time video compression in 4CIF/DCIF/2CIF/CIF/QCIF
- SDHC card local storage
- Support IE client for network preview
- Motion detection with PC client notification

Unit: mm

1/4" CMOS	Day&Night	S D	Dual Stream	Mobile Surveillance	Voice Talk
Web Server	P o E	Three Axis Adjustment			
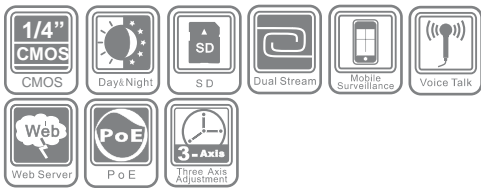
Specifications

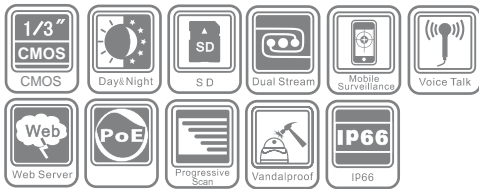|		DS-2CD732F-E
Camera	Image Sensor	1/4 inch CMOS
	Effective Pixels	640 (H) × 480 (V)
	Min. Illumination	0.4Lux @ F1.2
	Day&Night	Electronic
	Lens	3.5-8mm @ F1.6 / M12 / manual Iris lens
	Video Output	1Vp-p Composite Output (75Ω/BNC)
Compression Standard	Video Compression	H.264 or MPEG-4
	Video Bit Rate	32 K ~ 2M, adjustable (8Mbps maximum)
	Audio Compression	OggVorbis
Image	Image Resolution	704 × 576, 640 × 480, 528 × 384, 704 × 288, 352 × 288, 176 × 144
	Frame Rate	25fps (704 × 576)
Functions	Motion Detection	Support
	Dual Stream	Support
	SD Card Local Recording	Support
	Heartbeat	Support
	Password Protection	Support
	Protocols	TCP/IP,HTTP,DHCP,DNS,RTP/RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible)
Interface	Audio Input	1 channel (2.0 ~ 2.4Vp-p,1kΩ)
	Audio Output	1 channel (Line level, 600Ω)
	Communication	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface
	Alarm Input	1 channel signal input
	Alarm Output	1 channel signal relay output
General	Power Supply	12VDC, ±10%, (-E) series support PoE (Power over Ethernet)
	Power Consumption	3W MAX
	Working Temperature	-10°C ~ 60°C
	Dimensions	Φ145 × 132.8 (Φ5.75" × 5.26")
	Weight	900g (1.98lbs)

HIKVISION

DS-2CD802/812/892P(N)-IR1
Infrared IP Camera

- High performance Sony CCD
- Linux OS embedded
- TI DaVinci hardware compression
- H.264 dual stream real time video compression in 4CIF/DCIF/2CIF/CIF/QCIF
- Support variable bit rate and frame rate
- Support IE client for network preview

Unit: mm
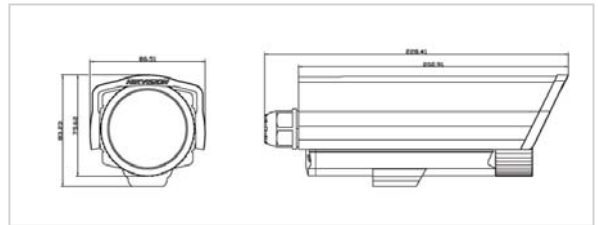
Specifications

		DS-2CD802P(N)-IR1	DS-2CD812P(N)-IR1	DS-2CD892P(N)-IR1
Camera	Image Sensor	1/3 inch SONY Super HAD CCD		
	Effective Pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
	Signal System	PAL / NTSC		
	Min. Illumination	0.1Lux @ F1.2 (0 Lux With IR)		
	Electronic Shutter Speed	1/50 (1/60)s ~ 1/100,000s		
	Lens	6mm (2.8mm, 3.6mm option)		
	Lens Mount	M12×0.5		
	S/N Ratio	More than 48dB		
	Video Output	420 TVL, 1Vpp Composite Output (75Ω / BNC)	480TVL, 1Vpp Composite Output (75Ω / BNC)	540TVL, 1Vpp Composite Output (75Ω / BNC)
Compression Standard	Video Compression	H.264 or MPEG-4		
	Video Bit Rate	32 K ~ 2M, adjustable (8Mbps maximum)		
	Audio Compression	OggVorbis		
Image	Image Resolution	PAL: 704 × 576, 528 × 384, 704 × 288, 352 × 288, 176 × 144 NTSC: 704 × 480, 528 × 320, 704 × 240, 352 × 240, 176 × 120		
	Frame Rate	25 fps (704 × 576), 30fps (704 × 480)		
Functions	Motion Detection	Support		
	Dual Stream	Support		
	Heartbeat	Support		
	Password Protection	Support		
	Protocols	TCP / IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE (FTP,SMTP,NTP,SNMP addible)		
	Infrared Distance	Approx 10 to 20 meters		
Interface	Audio Input	1channel (2.0 ~ 2.4Vp-p, 1kΩ)		
	Audio Output	1 channel (Line level, 600Ω)		
	Communication	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface		
	Alarm Input	1 channel signal input		
	Alarm Output	1 channel relay output		
General	Power Supply	12VDC, ±10%		
	Power Consumption	5.5W MAX		
	Working Temperature	-10°C ~ 60°C		
	Weather Proof	IP66		
	Dimensions	86.5 × 83 × 228 (3.43" × 3.29" × 9.04")		
	Weight	1400g (3.04lbs)		

HIKVISION

# DS-2CD802/812/892P(N)-IR3 Infrared IP Camera

- High performance Sony CCD
- Linux OS embedded
- TI DaVinci hardware compression
- H.264 dual stream real time video compression in 4CIF/DCIF/2CIF/CIF/QCIF
- Support variable bit rate and frame rate
- Support IE client for network preview

Unit: mm

CCD | Day&Night | Dual Stream | Mobile Surveillance | Voice Talk | Web Server

IP66
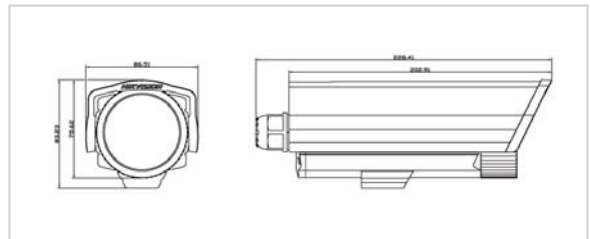
Specifications

		DS-2CD802P(N)-IR3	DS-2CD812P(N)-IR3	DS-2CD892P(N)-IR3
Camera	Image Sensor	1/3 inch SONY Super HAD CCD		
	Effective Pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
	Signal System	PAL / NTSC		
	Min. Illumination	0.1Lux @ F1.2 (0 Lux With IR)		
	Electronic Shutter Speed	1/50 (1/60)s ~ 1/100,000s		
	Lens	12mm (3.6mm, 6mm, 8mm,16mm option)		
	Lens Mount	M12×0.5		
	S/N Ratio	More than 48dB		
	Video Output	420 TVL, 1Vpp Composite Output (75Ω / BNC)	480TVL, 1Vpp Composite Output (75Ω / BNC)	540TVL, 1Vpp Composite Output (75Ω / BNC)
Compression Standard	Video Compression	H.264 or MPEG-4		
	Video Bit Rate	32 K ~ 2M, adjustable (8Mbps maximum)		
	Audio Compression	OggVorbis		
Image	Image Resolution	PAL: 704 × 576, 528 × 384, 704 × 288, 352 × 288, 176 × 144 NTSC: 704 × 480, 528 × 320, 704 × 240, 352 × 240, 176 × 120		
	Frame Rate	25 fps (704 × 576), 30fps (704 × 480)		
Functions	Motion Detection	Support		
	Dual Stream	Support		
	Heartbeat	Support		
	Password Protection	Support		
	Protocols	TCP / IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE (FTP,SMTP,NTP,SNMP addible)		
	Infrared Distance	Approx 30 to 40 meters		
Interface	Audio Input	1channel (2.0 ~ 2.4Vp-p, 1kΩ)		
	Audio Output	1 channel (Line level, 600Ω)		
	Communication	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface		
	Alarm Input	1 channel signal input		
	Alarm Output	1 channel relay output		
General	Power Supply	12VDC, ±10%		
	Power Consumption	7W MAX		
	Working Temperature	-10°C ~ 60°C		
	Weather Proof	IP66		
	Dimensions	86.5 × 83 × 228 (3.43" × 3.29" × 9.04")		
	Weight	1400g (3.04lbs)		

DS-2CD802/812/892P(N)-IR5 Infrared IP Camera

- High performance Sony CCD
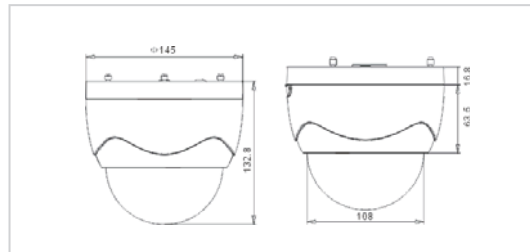- Linux OS embedded
- TI DaVinci hardware compression
- H.264 dual stream real time video compression in 4CIF/DCIF/2CIF/CIF/QCIF
- Support variable bit rate and frame rate
- Support IE client for network preview

Unit: mm

1 3" CCD	Day&Night	Dual Stream	Mobile Surveillance	Voice Talk	Web Web Server

IP66
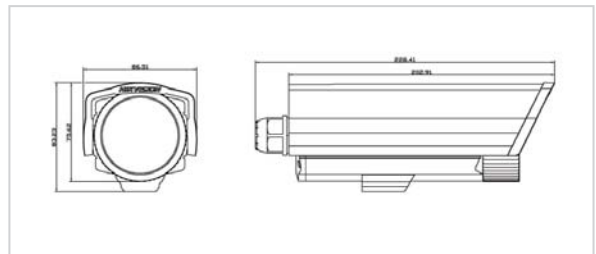
Specifications

		DS-2CD802P(N)-IR5	DS-2CD812P(N)-IR5	DS-2CD892P(N)-IR5
Camera	Image Sensor	1/3 inch SONY Super HAD CCD		
	Effective Pixels	PAL: 500 (H) × 582 (V) NTSC: 510 (H) × 492 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
	Signal System	PAL / NTSC		
	Min. Illumination	0.1Lux @ F1.2 (0 Lux With IR)		
	Electronic Shutter Speed	1/50 (1/60)s ~ 1/100,000s		
	Lens	16mm (3.6mm, 6mm, 8mm,12mm option)		
	Lens Mount	M12×0.5		
	S/N Ratio	More than 48dB		
	Video Output	420 TVL, 1Vpp Composite Output (75Ω / BNC)	480TVL, 1Vpp Composite Output (75Ω / BNC)	540TVL, 1Vpp Composite Output (75Ω / BNC)
Compression Standard	Video Compression	H.264 or MPEG-4		
	Video Bit Rate	32 K ~ 2M, adjustable (8Mbps maximum)		
	Audio Compression	OggVorbis		
Image	Image Resolution	PAL: 704 × 576, 528 × 384, 704 × 288, 352 × 288, 176 × 144 NTSC: 704 × 480, 528 × 320, 704 × 240, 352 × 240, 176 × 120		
	Frame Rate	25 fps (704 × 576), 30fps (704 × 480)		
Functions	Motion Detection	Support		
	Dual Stream	Support		
	Heartbeat	Support		
	Password Protection	Support		
	Protocols	TCP / IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE (FTP,SMTP,NTP,SNMP addible)		
	Infrared Distance	Approx 50 to 60 meters		
Interface	Audio Input	1channel (2.0 ~ 2.4Vp-p, 1kΩ)		
	Audio Output	1 channel (Line level, 600Ω)		
	Communication	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface		
	Alarm Input	1 channel signal input		
	Alarm Output	1 channel relay output		
General	Power Supply	12VDC, ±10%		
	Power Consumption	9W MAX		
	Working Temperature	-10°C ~ 60°C		
	Weather Proof	IP66		
	Dimensions	86.5 × 83 × 228 (3.43" × 3.29" × 9.04")		
	Weight	1400g (3.04lbs)		

HIKVISION

DS-9016HFI-S Intelligent Hybrid DVR

REVOLUTIONARY
HYBRID DVR PLATFORM

By adopting the most advanced DSP platform and technologies, DS-9016HFI-S Intelligent Hybrid DVR not only integrates analog and IP video seamlessly, but also delivers the most powerful features, such as to display high-definition video in preview and playback, as well as to provide intelligent video analytics functionalities as an option, while catering the new demands in video surveillance world.

- Support H.264 video codec
- Up to 1280×720 preview and playback resolution in real-time
- 1280×1024 VGA display resolution
- Optional intelligent video analytics capabilities
- Digital zoom in preview and playback mode

Also Available »   Standalone DVR   Digital Video Server   Speed Dome   Network Camera   Compression Board

UL CE FC RoHS ISO9001:2000 ISO14001

HIKVISION DVR SELECTION

Model	DS-9016HFI-S	DS-9008HFI-S	DS-9004HFI-S	DS-9116HFI-S	DS-9108HFI-S	DS-9104HFI-S	DS-9116HDI-S	DS-9108HDI-S	DS-9104HDI-S
	P72	P72	P72	P73	P73	P73	P74	P74	P74
Video compression	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264
Audio compression	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps
IP video input	8-ch 4CIF or 4-ch HD IP Camera (Hikvision Network Protocol)	8-ch 4CIF or 4-ch HD IP Camera (Hikvision Network Protocol)	4-ch 4CIF or 2-ch HD IP Camera (Hikvision Network Protocol)	-	-	-	-	-	-
Video input/output	16-ch / 2-ch	8-ch / 2-ch	4-ch / 2-ch	16-ch / 2-ch	8-ch / 2-ch	4-ch / 2-ch	16-ch / 2-ch	8-ch / 2-ch	4-ch / 2-ch
Audio input/output	16-ch / 2-ch	8-ch / 2-ch	4-ch / 2-ch	16-ch / 2-ch	8-ch / 2-ch	4-ch / 2-ch	16-ch / 2-ch	8-ch / 2-ch	4-ch / 2-ch
Voice talk input	2-ch	2-ch	2-ch	2-ch	2-ch	2-ch	2-ch	2-ch	2-ch
Recording resolution	720P/4CIF/ DCIF/2CIF/CIF/ QCIF	720P/4CIF/ DCIF/2CIF/CIF/ QCIF	720P/4CIF/ DCIF/2CIF/CIF/ QCIF	4CIF/DCIF/2CIF/ CIF/QCIF	4CIF/DCIF/2CIF/ CIF/QCIF	4CIF/DCIF/2CIF/ CIF/QCIF	4CIF/2CIF/CIF/ QCIF	4CIF/2CIF/CIF/ QCIF	4CIF/2CIF/CIF/ QCIF
VGA resolution	Up to 1280×1024/60Hz	Up to 1280×1024/60Hz	Up to 1280×1024/60Hz	Up to 1280×1024/60Hz	Up to 1280×1024/60Hz	Up to 1280×1024/60Hz	Up to 1280×1024/60Hz	Up to 1280×1024/60Hz	Up to 1280×1024/60Hz
Frame rate	PAL: 25fps, NTSC: 30fps	PAL: 25fps, NTSC: 30fps	PAL: 25fps, NTSC: 30fps	PAL: 25fps, NTSC: 30fps	PAL: 25fps, NTSC: 30fps	PAL: 25fps, NTSC: 30fps	4CIF: 12fps(P) / 15fps(N) 2CIF: 25fps(P) / 30fps(N)	4CIF: 12fps(P) / 15fps(N) 2CIF: 25fps(P) / 30fps(N)	4CIF: 12fps(P) / 15fps(N) 2CIF: 25fps(P) / 30fps(N)
Synchronous playback	16-ch	8-ch	4-ch	4-ch	4-ch	4-ch	16-ch	8-ch	4-ch
Alarm input/output	16-ch / 4-ch	16-ch / 4-ch	16-ch / 4-ch	16-ch / 4-ch	16-ch / 4-ch	16-ch / 4-ch	16-ch / 4-ch	16-ch / 4-ch	16-ch / 4-ch
Network Interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface
HDD interface	8 SATA interface	8 SATA interface	8 SATA interface	8 SATA interface	8 SATA interface	8 SATA interface	8 SATA interface	8 SATA interface	8 SATA interface
USB interface	3, USB2.0	3, USB2.0	3, USB2.0	3, USB2.0	3, USB2.0	3, USB2.0	3, USB2.0	3, USB2.0	3, USB2.0

Model	DS-8016HFI-S	DS-8008HFI-S	DS-8004HFI-S	DS-8002HFI-S	DS-8016HDI-S	DS-8008HDI-S	DS-8004HDI-S	DS-8016HTI-S	DS-8012HTI-S	DS-8008HTI-S	DS-8004HTI-S
	P75	P75	P75	P75	P76	P76	P76	P77	P77	P77	P77
Video compression	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264
Audio compression	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps
IP video input	-	-	-	-	-	-	-	-	-	-	-
Video input/ output	16-ch / 1-ch Main & 1-ch Aux	8-ch / 1-ch Main & 1-ch Aux	4-ch / 1-ch Main & 1-ch Aux	2-ch / 1-ch Main & 1-ch Aux	16-ch / 1-ch Main & 1-ch Aux	8-ch / 1-ch Main & 1-ch Aux	4-ch / 1-ch Main & 1-ch Aux	16-ch / 1-ch Main & 1-ch Aux	12-ch / 1-ch Main & 1-ch Aux	8-ch / 1-ch Main & 1-ch Aux	4-ch / 1-ch Main & 1-ch Aux
Audio input/ output	16-ch / 1-ch Main & 1-ch Aux	8-ch / 1-ch Main & 1-ch Aux	4-ch / 1-ch Main & 1-ch Aux	2-ch / 1-ch Main & 1-ch Aux	16-ch / 1-ch Main & 1-ch Aux	8-ch / 1-ch Main & 1-ch Aux	4-ch / 1-ch Main & 1-ch Aux	16-ch / 1-ch Main & 1-ch Aux	12-ch / 1-ch Main & 1-ch Aux	8-ch / 1-ch Main & 1-ch Aux	4-ch / 1-ch Main & 1-ch Aux
Voice talk input	1-ch	1-ch	1-ch	1-ch	1-ch	1-ch	1-ch	1-ch	1-ch	1-ch	1-ch
Recording resolution	4CIF/ DCIF/2CIF/CIF/ QCIF	4CIF/ DCIF/2CIF/CIF/ QCIF	4CIF/ DCIF/2CIF/CIF/ QCIF	4CIF/ DCIF/2CIF/CIF/ QCIF	4CIF/ DCIF/2CIF/CIF/ QCIF	4CIF/ DCIF/2CIF/CIF/ QCIF	4CIF/ DCIF/2CIF/CIF/ QCIF	4CIF/ DCIF/2CIF/CIF/ QCIF	4CIF/ DCIF/2CIF/CIF/ QCIF	4CIF/ DCIF/2CIF/CIF/ QCIF	4CIF/ DCIF/2CIF/CIF/ QCIF
VGA resolution	Up to 1280×1024 /60Hz	Up to 1280×1024 /60Hz	Up to 1280×1024 /60Hz	Up to 1280×1024 /60Hz	Up to 1280×1024 /60Hz	Up to 1280×1024 /60Hz	Up to 1280×1024 /60Hz	Up to 1280×1024 /60Hz	Up to 1280×1024 /60Hz	Up to 1280×1024 /60Hz	Up to 1280×1024 /60Hz
Frame rate	4CIF: 25(P)/30(N) fps	4CIF: 25(P)/30(N) fps	4CIF: 25(P)/30(N) fps	4CIF: 25(P)/30(N) fps	4CIF: 12fps, DCIF: 15fps, 2CIF: 25(P)/30(N) fps	4CIF: 12fps, DCIF: 15fps, 2CIF: 25(P)/30(N) fps	4CIF: 12fps, DCIF: 15fps, 2CIF: 25(P)/30(N) fps	4CIF: 15fps, DCIF: 25(P)/30(N) fps	4CIF: 15fps, DCIF: 25(P)/30(N) fps	4CIF: 15fps, DCIF: 25(P)/30(N) fps	4CIF: 15fps, DCIF: 25(P)/30(N) fps
Synchronous playback	2-ch	2-ch	2-ch	2-ch	2-ch	2-ch	2-ch	2-ch	2-ch	2-ch	2-ch
Alarm input/ output	16-ch / 4-ch	16-ch / 4-ch	4-ch / 2-ch	4-ch / 2-ch	16-ch / 4-ch	16-ch / 4-ch	16-ch / 4-ch	16-ch / 4-ch	16-ch / 4-ch	16-ch / 4-ch	16-ch / 4-ch
Network Interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface
HDD interface	8 SATA interface	8 SATA interface	8 SATA interface	8 SATA interface	8 SATA interface	8 SATA interface	8 SATA interface	8 SATA interface	8 SATA interface	8 SATA interface	8 SATA interface
USB interface	1 USB interface	1 USB interface	1 USB interface	1 USB interface	1 USB interface	1 USB interface	1 USB interface	1 USB interface	1 USB interface	1 USB interface	1 USB interface

	DS-8016HCI-S	DS-8008HCI-S	DS-8004HCI-S	DS-8016HSI-S	DS-8008HSI-S	DS-8004HSI-S	DS-7016HI-S	DS-7008HI-S	DS-7004HI-S	DS-7108HI-S
Model	P78	P78	P78	P79	P79	P79	P80	P80	P80	P81
Video compression	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264
Audio compression	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	-	-	-	OggVorbis, 16Kbps	-	OggVorbis, 16Kbps	OggVorbis, 16Kbps
IP video input	-	-	-	-	-	-	-	-	-	-
Video input/ output	16-ch / 1-ch Main & 1-ch Aux	8-ch / 1-ch Main & 1-ch Aux	4-ch / 1-ch	16-ch / 1-ch and 16-ch loop output	8-ch / 1-ch and 8-ch loop output	4-ch / 1-ch and 4-ch loop output	16-ch / 1-ch main, 1-ch spot output and 16-ch loop output	8-ch / 1-ch main, 1-ch spot output and 8-ch loop output	4-ch / 1-ch main, 1-ch spot output and 4-ch loop output	8-ch / 1-ch main, 1-ch spot output and 8-ch loop output
Audio input/ output	16-ch / 1-ch Main & 1-ch Aux	8-ch / 1-ch Main & 1-ch Aux	4-ch / 1-ch	-	-	-	4-ch / 1-ch	-	4-ch / 1-ch	4-ch / 1-ch
Voice talk input	1-ch	1-ch	1-ch	-	-	-	1-ch, Using 1st channel of Audio IN	-	1-ch, Using 1st channel of Audio IN	1-ch, Using 1st channel of Audio IN
Recording resolution	4CIF/DCIF/2CIF/ CIF/QCIF	4CIF/DCIF/2CIF/ CIF/QCIF	4CIF/DCIF/2CIF/ CIF/QCIF	2CIF/CIF/QCIF	2CIF/CIF/QCIF	4CIF/DCIF/2CIF/ CIF/QCIF	2CIF/CIF/QCIF	2CIF/CIF/QCIF	4CIF/2CIF/CIF/ QCIF	CIF/QCIF
VGA resolution	Up to 1280×1024/60Hz	Up to 1280×1024/60Hz	Up to 1280×1024/60Hz	Up to 1280×1024/60Hz	Up to 1280×1024/60Hz	Up to 1280×1024/60Hz	Up to 1280×1024/60Hz	Up to 1280×1024/60Hz	Up to 1280×1024/60Hz	Up to 1280×1024/60Hz
Frame rate	4CIF: 6fps, DCIF: 8fps, 2CIF: 12fps, CIF: 25(P)/30(N) fps	4CIF: 6fps, DCIF: 8fps, 2CIF: 12fps, CIF: 25(P)/30(N) fps	4CIF: 6fps, DCIF: 8fps, 2CIF: 12fps, CIF: 25(P)/30(N) fps	2CIF: 8fps CIF: 25(P)/30(N) fps	2CIF: 8fps CIF: 25(P)/30(N) fps	4CIF: 8fps, DCIF: 8fps, 2CIF: 15fps, CIF: 25(P)/30(N) fps	2CIF: 8fps CIF: 25(P)/30(N) fps	2CIF: 8fps CIF: 25(P)/30(N) fps	4CIF: 8fps, DCIF: 8fps, 2CIF: 15fps, CIF: 25(P)/30(N) fps	CIF: 25(P)/30(N) fps
Synchronous playback	1-ch	1-ch	2-ch	1-ch	1-ch	1-ch	1-ch	1-ch	1-ch	1-ch
Alarm input/ output	16-ch / 4-ch	16-ch / 4-ch	4-ch / 2-ch	16-ch / 4-ch	16-ch / 4-ch	4-ch / 2-ch	16-ch / 4-ch	16-ch / 4-ch	4-ch / 2-ch	16-ch / 4-ch
Network Interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface
HDD interface	8 SATA interface	8 SATA interface	4 SATA interface	8 SATA interface	8 SATA interface	4 SATA interface	4 SATA interface	4 SATA interface	4 SATA interface	2 SATA interface
USB interface	1 USB interface	1 USB interface	1 USB interface	1 USB interface	1 USB interface	1 USB interface	1 USB interface	1 USB interface	1 USB interface	1 USB interface

Model	DS-7204HVI-S	DS-7208HVI-S	DS-7216HVI-S	DS-7204AHLI-VS	DS-8004AHI-S	DS-8002AHI-S	DS-8004AHLI-S	DS-8002AHLI-S	DS-8004AHFLI-S
	P82	P83	P83	P84	P85	P85	P86	P86	P87
Video compression	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264
Audio compression	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps
IP video input	-	-	-	-	-	-	-	-	-
Video input/output	4-ch / 1-ch and 1-ch spot output	8-ch / 2-ch and 8-ch loop output	16-ch / 2-ch and 16-ch loop output	4-ch / 1-ch and 1-ch spot output	4-ch / 1-ch BNC & 1-ch RCA	2-ch / 1-ch BNC & 1-ch RCA	4-ch / 1-ch BNC & 1-ch RCA	2-ch / 1-ch BNC & 1-ch RCA	4-ch / 1-ch BNC & 1-ch RCA
Audio input/output	1-ch / 1-ch	4-ch / 1-ch	4-ch / 1-ch	1-ch / 1-ch	4-ch / 1-ch BNC & 1-ch RCA	3-ch / 1-ch BNC & 1-ch RCA	4-ch / 1-ch BNC & 1-ch RCA	3-ch / 1-ch BNC & 1-ch RCA	4-ch / 1-ch BNC & 1-ch RCA
Voice talk input	1-ch, Using Audio IN	1-ch, Using 1st channel of Audio IN	1-ch, Using 1st channel of Audio IN	1-ch, Using Audio IN	1-ch	1-ch	1-ch	1-ch	1-ch
Recording resolution	4CIF/DCIF/2CIF/CIF/QCIF	CIF/QCIF	CIF/QCIF	4CIF/DCIF/2CIF/CIF/QCIF	CIF/QCIF	CIF/QCIF	CIF/QCIF	CIF/QCIF	4CIF/DCIF/2CIF/CIF/QCIF
VGA resolution	Up to 1024×768/60Hz	Up to 1024×768/60Hz	Up to 1024×768/60Hz	Up to 1024×768/60Hz	Up to 1024×768/60Hz	Up to 1024×768/60Hz	Up to 1024×768/60Hz	Up to 1024×768/60Hz	Up to 1024×768/60Hz
Frame rate	4CIF: 6fps, DCIF: 12fps, 2CIF: 12fps, CIF: 25(P)/30(N) fps	PAL: 25fps, NTSC: 30fps	PAL: 25fps, NTSC: 30fps	4CIF: 6fps, DCIF: 12fps, 2CIF: 12fps, CIF: 25(P)/30(N) fps	CIF: 25(P)/30(N) fps	CIF: 25(P)/30(N) fps	CIF: 25(P)/30(N) fps	CIF: 25(P)/30(N) fps	4CIF: 25(P)/30(N) fps
Synchronous playback	1-ch	1-ch	1-ch	1-ch	2-ch	2-ch	2-ch	2-ch	2-ch
Alarm input/output	4-ch / 1-ch	16-ch / 4-ch	16-ch / 4-ch	4-ch / 1-ch	5-ch / 2-ch	4-ch / 2-ch	5-ch / 2-ch	4-ch / 2-ch	5-ch / 2-ch
Network Interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface
HDD interface	1 SATA interface	2 SATA interface	2 SATA interface	1 SATA interface	4 SATA interface	4 SATA interface	4 SATA interface	4 SATA interface	4 SATA interface
USB interface	1 USB interface	2, USB2.0	2, USB2.0	1 USB interface	1 USB interface	1 USB interface	1 USB interface	1 USB interface	1 USB interface

Model	DS-8001HMI	DS-8002HMI	DS-8004HMI	DS-8008HMI	DS-8012HMI	DS-8002-HMFI	DS-8004-HMFI	DS-8008-HMFI	DS-8012-HMFI	DS-8104-HMI-A	DS-8104-HMI-B	DS-8104-HMI-M
	P88	P88	P88	P89	P89	P90	P90	P91	P91	P92	P93	P94
Video compression	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264
Audio compression	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps
Video input/output	1-ch / 1-ch	2-ch / 1-ch	4-ch / 1-ch	8-ch / 2-ch	12-ch / 2-ch	2-ch / 1-ch	4-ch / 1-ch	8-ch / 2-ch	12-ch / 2-ch	4-ch / 1-ch	4-ch / 2-ch	4-ch / 1-ch
Audio input/output	1-ch / 1-ch	2-ch / 1-ch	4-ch / 1-ch	8-ch / 2-ch	12-ch / 2-ch	2-ch / 1-ch	4-ch / 1-ch	8-ch / 2-ch	12-ch / 2-ch	4-ch / 1-ch	1-ch / 1-ch	2-ch / 1-ch
Channel interface	BNC	BNC	BNC	Aviation Plug	Aviation Plug	Aviation Plug	BNC	BNC	BNC	Aviation Plug	BNC	Integrated socket
Voice talk input	1-ch	1-ch	1-ch	1-ch	1-ch	1-ch	1-ch	1-ch	1-ch	-	-	-
Recording resolution	4CIF/DCIF/2CIF/CIF/QCIF	DCIF/2CIF/CIF/QCIF	CIF/QCIF	2CIF/CIF/QCIF	2CIF/CIF/QCIF	4CIF/DCIF/2CIF/CIF/QCIF	4CIF/DCIF/2CIF/CIF/QCIF	4CIF	4CIF	4CIF/DCIF/2CIF/CIF/QCIF	4CIF/DCIF/2CIF/CIF/QCIF	4CIF/DCIF/2CIF/CIF/QCIF
VGA resolution	Optional	Optional	Optional	Up to 1024x768/60Hz	Up to 1024x768/60Hz	Optional	Optional	Up to 1024x768/60Hz	Up to 1024x768/60Hz	-	-	-
Frame rate	4CIF: 25(P)/30(N) fps	DCIF: 25(P)/30(N) fps	CIF: 25(P)/30(N) fps	25(P)/30(N) fps	25(P)/30(N) fps	4CIF: 25(P)/30(N) fps	4CIF: 25(P)/30(N) fps	25(P)/30(N) fps	25(P)/30(N) fps	4CIF: 6fps, DCIF: 12fps, 2CIF: 15fps, CIF/QCIF: 25(P)/30(N)	4CIF: 6fps, DCIF: 12fps, 2CIF: 15fps, CIF/QCIF: 25(P)/30(N)	4CIF: 6fps, DCIF: 12fps, 2CIF: 15fps, CIF/QCIF: 25(P)/30(N)
Alarm input/output	4-ch / 2-ch	4-ch / 2-ch	4-ch / 2-ch	16-ch / 4-ch	16-ch / 4-ch	4-ch / 2-ch	4-ch / 2-ch	16-ch / 4-ch	16-ch / 4-ch	8-ch / 2-ch	4-ch / 1-ch	8-ch / 2-ch
Network Interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1 Ethernet Interface, 2 SMA Wireless network antenna	1 Ethernet Interface, 2 SMA Wireless network antenna	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1 Ethernet Interface, 2 SMA Wireless network antenna	1 Ethernet Interface, 2 SMA Wireless network antenna	1 Ethernet Interface, 2 SMA Wireless network antenna	1 Ethernet Interface, 2 SMA Wireless network antenna	1 Ethernet Interface, 2 SMA Wireless network antenna
HDD Number and Size	1, 3.5 inch	1, 3.5 inch	1, 3.5 inch	2, 2.5 inch	2, 2.5 inch	1, 3.5 inch	1, 3.5 inch	2, 2.5 inch	2, 2.5 inch	2, 2.5 inch	2, 2.5 inch	1, SD Card
HDD Installation	SATA, Build-in	SATA, Build-in	SATA, Build-in	SATA, Plug-gable	SATA, Plug-gable	SATA, Build-in	SATA, Build-in	SATA, Plug-gable	SATA, Plug-gable	SATA, Plug-gable	SATA, Plug-gable	Pluggable
Wireless Model	External Wireless Router	External Wireless Router	External Wireless Router	Build-in, (optional)	Build-in, (optional)	External Wireless Router	External Wireless Router	Build-in, (optional)	Build-in, (optional)	Build-in, (optional)	Build-in, (optional)	Build-in, (optional)
GPS model	Build-in, (optional)	Build-in, (optional)	Build-in, (optional)	Build-in	Build-in	Build-in, (optional)	Build-in, (optional)	Build-in	Build-in	Build-in	RS-485 connect G-mouse model	Build-in
Power Input	DC +6~36V	DC +6~36V	DC +6~36V	DC +6~36V	DC +6~36V	DC +6~36V	DC +6~36V	DC +6~36V	DC +6~36V	DC +6~36V	DC +6~36V	DC +6~36V

HIKVISION DIGITAL VIDEO SERVER SELECTION

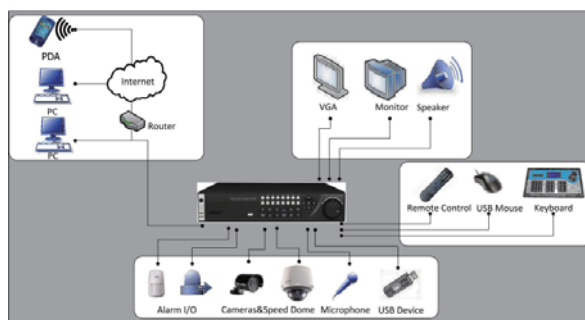| Model	DS-6104HCI	DS-6101HFI-SATA	DS-6104HCI-SATA	DS-6101HFI-IP	IP Module	DS-6001DI	DS-6001FI
	P98	P99	P100	P101	P102	P103	P104
Video compression	H.264	H.264	H.264	H.264	H.264	H.264	H.264
Audio compression	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps
Video input/output	4-ch / --	1-ch / --	4-ch / --	1-ch / --	1-ch / --	-- / 1-ch	1-ch / 1-ch
Audio input/output	4-ch / 1-ch	1-ch / 1-ch	4-ch / 1-ch	1-ch / 1-ch	1-ch / 1-ch	-- / 1-ch	-- / 1-ch
Voice talk input	1-ch	1-ch	1-ch	1-ch	1-ch	1-ch	1-ch
Encoding/Decoding/ Recording resolution	CIF/QCIF	4CIF/DCIF/2CIF/CIF/ QCIF	4CIF/DCIF/2CIF/CIF/ QCIF	4CIF/DCIF/2CIF/CIF/ QCIF	4CIF/DCIF/2CIF/CIF/ QCIF	4CIF/DCIF/2CIF/CIF/ QCIF	4CIF/DCIF/2CIF/CIF/ QCIF
Frame rate	4CIF/DCIF/2CIF: 4fps per channel CIF: 25(P)/30(N) fps	4CIF: 25(P)/30(N) fps	4CIF/DCIF/2CIF: 4fps per channel CIF: 25(P)/30(N) fps	4CIF: 25(P)/30(N) fps	4CIF: 25(P)/30(N) fps	4CIF: 25(P)/30(N) fps	4CIF: 25(P)/30(N) fps
Stream type	Video / Video&Audio	Video / Video&Audio	Video / Video&Audio	Video / Video&Audio	Video / Video&Audio	Video / Video&Audio	Video / Video&Audio
Alarm input/output	4-ch / 2-ch	4-ch / 2-ch	4-ch / 2-ch	1-ch / 1-ch	1-ch / 1-ch	2-ch / 2-ch	2-ch / 2-ch
Network Interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface
HDD interface	-	1 SATA interface	1 SATA interface	-	-	-	-

HIKVISION COMPRESSION BOARD SELECTION

Model	DS-4004HCI	DS-4008HCI	DS-4016HCI	DS-4008HSI	DS-4016HSI	DS-4216HCI	DS-4208HFVI	DS-4216HFVI	DS-4002MDI	DS-4004MDI
	P109	P109	P109	P110	P110	P111	P112	P112	P113	P113
Video compression	H.264	H.264	H.264	H.264	H.264	H.264(MPEG-4/ part10)	H.264(MPEG-4/ part10)	H.264(MPEG-4/ part10)	-	-
Audio compression	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis	OggVorbis	OggVorbis	-	-
Video input/ output	4-ch / --	8-ch / --	16-ch / --	8-ch / --	16-ch / --	16-ch / --	8-ch / 1-ch	16-ch / 1-ch	-- / 2-ch	-- / 4-ch
Audio input/ output	4-ch / --	8-ch / --	16-ch / --	8-ch / --	16-ch / --	16-ch / --	8-ch / 1-ch	16-ch / 1-ch	-- / 2-ch	-- / 4-ch
Voice talk input	-	-	-	-	-	-	-	-	-	-
Encoding/ Decoding/ Recording resolution	4-ch CIF/2CIF real time Or 2-ch 4CIF real time Or 4-ch DCIF/4CIF not real time	8-ch CIF/2CIF real time Or 4-ch 4CIF real time Or 8-ch DCIF/4CIF not real time	16-ch CIF/2CIF real time Or 8-ch 4CIF real time Or 16-ch DCIF/4CIF not real time	8-ch CIF real time Or 8-ch 2CIF/ DCIF/4CIF not real time	16-ch CIF real time Or 16-ch 2CIF/ DCIF/4CIF not real time	CIF/QCIF real time, or 4CIF/2CIF not real time	4CIF/2CIF/CIF / QCIF real time	4CIF/2CIF/CIF / QCIF real time	2 ch 4CIF real time, or 4 ch 2CIF/CIF/QCIF real time	4 ch 4CIF real time, or 8 ch 2CIF/CIF/QCIF real time
Frame rate	4CIF: 25(P)/30(N) fps for 2 channel	4CIF: 25(P)/30(N) fps for 4 channel	4CIF: 25(P)/30(N) fps for 8 channel	1/16~25 fps(PAL), 1/16~30 fps(NTSC)	1/16~25 fps(PAL), 1/16~30 fps(NTSC)	1/16~25 fps(PAL), 1/16~30 fps(NTSC)	4CIF: 25(P)/30(N) fps	4CIF: 25(P)/30(N) fps	1/16~25 fps(PAL), 1/16~30 fps(NTSC)	1/16~25 fps(PAL), 1/16~30 fps(NTSC)
Stream type	Video / Video&Audio	Video / Video&Audio	Video / Video&Audio	Video / Video&Audio	Video / Video&Audio	Video / Video&Audio	Video / Video&Audio	Video / Video&Audio	Video / Video&Audio	Video / Video&Audio
Alarm input/ output	-	-	-	-	-	-	-	-	-	-
Network Interface	-	-	-	-	-	-	-	-	-	-
HDD interface	-	-	-	-	-	-	-	-	-	-

DVR

HIKVISION

DS-9004/9008/9016HFI-S
Embedded Hybrid DVR

Key Features

- H.264 video compression
- 3 independent local video output (VGA, MAIN and AUX video/audio out)
- Up to 32 simutaneous users
- Advanced motion detection
- Easy back-up to USB and optical drives
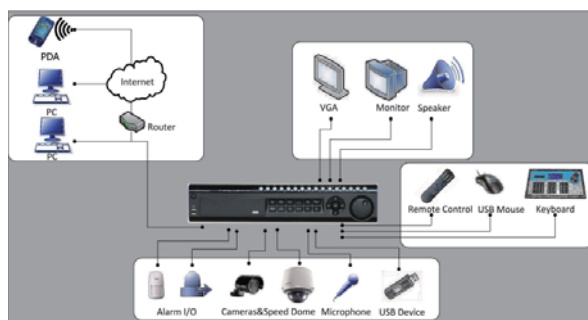- Support up to 8 SATA hard disk drives

Specifications

		DS-9016HFI-S	DS-9008HFI-S	DS-9004HFI-S
Video/Audio input	Video compression	H.264	H.264	H.264
	Analog video input	16-ch, BNC(1.0Vp-p, 75Ω), PAL/NTSC adaptive	8-ch, BNC(1.0Vp-p, 75Ω), PAL/NTSC adaptive	4-ch, BNC(1.0Vp-p, 75Ω), PAL/NTSC adaptive
	IP video input	16-ch normal or 8-ch HD IP Camera(Hikvision Network Protocol)	8-ch normal or 4-ch HD IP Camera(Hikvision Network Protocol)	4-ch normal or 2-ch HD IP Camera(Hikvision Network Protocol)
	Composited video input	24-ch (Analog video + IP video)	16-ch (Analog video + IP video)	8-ch (Analog video + IP video)
	Audio compression	OggVorbis	OggVorbis	OggVorbis
	Audio input	16-ch, BNC(2Vp-p, 1kΩ)	8-ch, BNC(2Vp-p, 1kΩ)	4-ch, BNC(2Vp-p, 1kΩ)
	Voice talk input	2-ch, BNC(2Vp-p, 1kΩ)	2-ch, BNC(2Vp-p, 1kΩ)	2-ch, BNC(2Vp-p, 1kΩ)
Video/Audio output	Preview resolution	PAL:704×576 NTSC:704×480		
	VGA output	1, resolution: 1024×768/60Hz, 1024×768/70Hz, 1280×1024/60Hz		
	Recording resolution	720P/4CIF/DCIF/2CIF/CIF/QCIF		
	Video output	2-ch, BNC(1.0Vp-p, 75Ω)		
	Frame rate	PAL: 25fps, NTSC: 30fps		
	Video bit rate	32Kbps~2048Kbps, or user-defined (Max. 6144Kbps)		
	Audio output	2-ch, BNC(linear electrical level, 600Ω)		
	Audio bit rate	16kbps		
	Synchronous playback	16-ch	8-ch	4-ch
Hard disk driver	Interface type	8 SATA interface		
	Capacity	Each interface supports more than 2TB capacity		
External interface	Network interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface		
	Serial interface	1 RS-232 interface (for parameters configuration, maintenance , transparent channel); 1 RS-485 interface (for PTZ control); 1 RS-485 keyboard interface (for special keyboard control)		
	USB interface	3, USB2.0		
	Alarm input	16-ch		
	Alarm output	4-ch		
General	Power supply	100~240VAC, 6.3A, 50~60Hz		
	Consumption	28W (without hard disk or DVD-R/W)		
	Working temperature	-10°C~+55°C		
	Working humidity	10%~90%		
	Chassis	19" standard 2U chassis		
	Dimension (mm)	450mm(D)×450mm(W)×95mm(H)		
	Weight	≤8Kg (without hard disk or DVD-R/W)		

HIKVISION

DS-9104/9108/9116HFI-S
Standalone DVR

Key Features

- H.264 video compression
- 3 independent local video output (VGA, MAIN and AUX video/audio out)
- Up to 32 simutaneous users
- Advanced motion detection
- Easy back-up to USB and optical drives
- Support up to 8 SATA hard disk drives
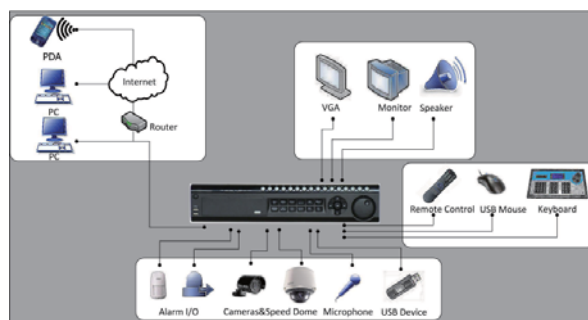
Specifications

		DS-9116HFI-S	DS-9108HFI-S	DS-9104HFI-S
Video/Audio input	Video compression	H.264	H.264	H.264
	Video input	16-ch, BNC(1.0Vp-p, 75Ω), PAL/ NTSC adaptive	8-ch, BNC(1.0Vp-p, 75Ω), PAL/ NTSC adaptive	4-ch, BNC(1.0Vp-p, 75Ω), PAL/ NTSC adaptive
	Audio compression	OggVorbis	OggVorbis	OggVorbis
	Audio input	16-ch, BNC(2Vp-p, 1kΩ)	8-ch, BNC(2Vp-p, 1kΩ)	4-ch, BNC(2Vp-p, 1kΩ)
	Voice talk input	2-ch, BNC(2Vp-p, 1kΩ)	2-ch, BNC(2Vp-p, 1kΩ)	2-ch, BNC(2Vp-p, 1kΩ)
Video/Audio output	Preview resolution	PAL:704×576 NTSC:704×480		
	VGA output	1, resolution: 1024×768/60Hz, 1024×768/70Hz, 1280×1024/60Hz		
	Recording resolution	4CIF/DCIF/2CIF/CIF/QCIF		
	Video output	2-ch, BNC(1.0Vp-p, 75Ω)		
	Frame rate	PAL: 25fps, NTSC: 30fps		
	Video bit rate	32Kbps~2048Kbps, or user-defined (Max. 6144Kbps)		
	Audio output	2-ch, BNC(linear electrical level, 600Ω)		
	Audio bit rate	16kbps		
	Synchronous playback	4-ch		
Hard disk driver	Interface type	8 SATA interface		
	Capacity	Each interface supports more than 2TB capacity		
External interface	Network interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface		
	Serial interface	1 RS-232 interface (for parameters configuration, maintenance , transparent channel); 1 RS-485 interface (for PTZ control); 1 RS-485 keyboard interface (for special keyboard control)		
	USB interface	3, USB2.0		
	Alarm input	16-ch		
	Alarm output	4-ch		
General	Power supply	100~240VAC, 6.3A, 50~60Hz		
	Consumption	28W (without hard disk or DVD-R/W)		
	Working temperature	-10°C~+55°C		
	Working humidity	10%~90%		
	Chassis	19" standard 2U chassis		
	Dimension (mm)	450mm(D)×450mm(W)×95mm(H)		
	Weight	≤8Kg (without hard disk or DVD-R/W)		

HIKVISION

DS-9104/9108/9116HDI-S
Standalone DVR

Key Features

- H.264 video compression
- 3 independent local video output (VGA, MAIN and AUX video/audio out)
- Up to 32 simutaneous users
- Advanced motion detection
- Easy back-up to USB and optical drives
- Support up to 8 SATA hard disk drives

Specifications

		DS-9116HDI-S	DS-9108HDI-S	DS-9104HDI-S
Video/Audio input	Video compression	H.264	H.264	H.264
	Video input	16-ch, BNC(1.0Vp-p, 75Ω), PAL/NTSC adaptive	8-ch, BNC(1.0Vp-p, 75Ω), PAL/NTSC adaptive	4-ch, BNC(1.0Vp-p, 75Ω), PAL/NTSC adaptive
	Audio compression	OggVorbis	OggVorbis	OggVorbis
	Audio input	16-ch, BNC(2Vp-p, 1kΩ)	8-ch, BNC(2Vp-p, 1kΩ)	4-ch, BNC(2Vp-p, 1kΩ)
	Voice talk input	2-ch, BNC(2Vp-p, 1kΩ)	2-ch, BNC(2Vp-p, 1kΩ)	2-ch, BNC(2Vp-p, 1kΩ)
Video/Audio output	Preview resolution	PAL:704×576 NTSC:704×480		
	VGA output	1, resolution: 1024×768/60Hz, 1024×768/70Hz, 1280×1024/60Hz		
	Recording resolution	4CIF/2CIF/CIF/QCIF		
	Video output	2-ch, BNC(1.0Vp-p, 75Ω)		
	Frame rate	4CIF: 12fps (PAL) / 15fps (NTSC) 2CIF: 25fps (PAL) / 30fps (NTSC)		
	Video bit rate	32Kbps~2048Kbps, or user-defined (Max. 6144Kbps)		
	Audio output	2-ch, BNC(linear electrical level, 600Ω)		
	Audio bit rate	16kbps		
	Synchronous playback	16-ch	8-ch	4-ch
Hard disk driver	Interface type	8 SATA interface		
	Capacity	Each interface supports more than 2TB capacity		
External interface	Network interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface		
	Serial interface	1 RS-232 interface (for parameters configuration, maintenance , transparent channel); 1 RS-485 interface (for PTZ control); 1 RS-485 keyboard interface (for special keyboard control)		
	USB interface	3, USB2.0		
	Alarm input	16-ch		
	Alarm output	4-ch		
General	Power supply	100~240VAC, 6.3A, 50~60Hz		
	Consumption	28W (without hard disk or DVD-R/W)		
	Working temperature	-10°C~+55°C		
	Working humidity	10%~90%		
	Chassis	19" standard 2U chassis		
	Dimension （mm）	450mm(D)×450mm(W)×95mm(H)		
	Weight	≤8Kg (without hard disk or DVD-R/W)		

HIKVISION

DS-8002/8004/8008/8016HFI-S
Standalone DVR

Key Features

- Each channel supports up to 4CIF real time encoding
- Dual stream
- Support main and auxiliary video output
- 8 SATA interface
- eSATA interface for high-speed backup (optional)
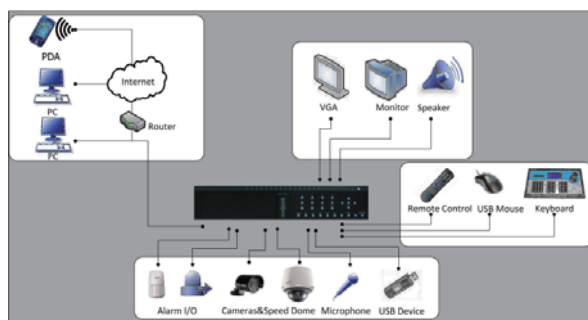
Specifications

		DS-8016HFI-S	DS-8008HFI-S	DS-8004HFI-S	DS-8002HFI-S
Video/Audio input	Video compression	H.264			
	Video input	16-ch	8-ch	4-ch	2-ch
	Video input interface	BNC(1.0Vp-p, 75Ω)			
	Audio compression	OggVorbis, 16Kbps			
	Audio input	16-ch	8-ch	4-ch	2-ch
	Audio input interface	BNC(2Vp-p, 1kΩ)			
	Voice talk input	1-ch, BNC(2Vp-p, 1kΩ)			
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)			
	VGA output	1, resolution: 800×600/60Hz, 1024×768/60Hz, 1280×1024/60Hz			
	Recording resolution	4CIF/DCIF/2CIF/CIF/QCIF			
	Main video output	1-ch, BNC(1.0Vp-p, 75Ω)			
	Aux video output	1-ch, BNC(1.0Vp-p, 75Ω)			
	Frame rate	4CIF: 25(P)/30(N) fps			
	Stream type	Video/Video&Audio			
	Support dual stream	Yes			
	Video bit rate	32Kbps~2Mbps, or user-defined (Max. 8Mbps)			
	Main audio output	1-ch, BNC(linear electrical level, 600Ω)			
	Aux audio output	1-ch, BNC(linear electrical level, 600Ω)			
	Synchronous playback	2-ch			
Hard disk driver	Interface type	8 SATA interface (8 SATA HDDs, or 4 SATA HDDs with 1 SATA DVD-R/W)			
	Capacity	Each interface supports up to 2TB capacity			
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface, 1 RJ45 RS232 Port			
	RS-485 Port	1 Port (T+, T-, R+, R-)			
	Keyboard interface	1 Port (D+, D-)		2 RJ45	
	USB interface	1 USB interface, can support USB disk, USB HDD, USB DVD-R/W and CD-R/W			
	Alarm input	16-ch		4-ch	
	Alarm output	4-ch		2-ch	
General	Power supply	100~240VAC, 6.3A, 50~60Hz			
	Consumption	≤70W (without HDD or DVD-R/W)			
	Working temperature	-10°C~+55°C			
	Working humidity	10%~90%			
	Dimension (mm)	470mm(D)x441mm(W)x90mm(H)			
	Weight	≤8Kg (without HDD or DVD-R/W)			

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DS-8004/8008/8016HDI-S
Standalone DVR

Key Features

- Each channel supports up to 4CIF encoding
- Dual stream
- Support main and auxiliary video output
- 8 SATA interface
- eSATA interface for high-speed backup (optional)
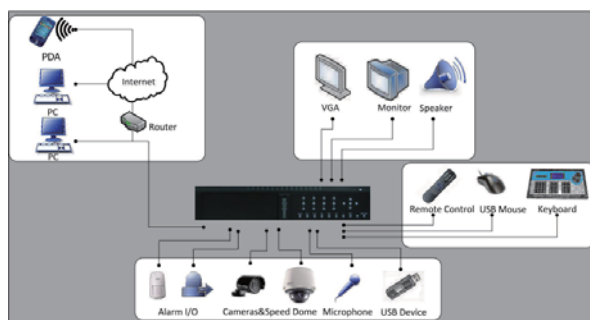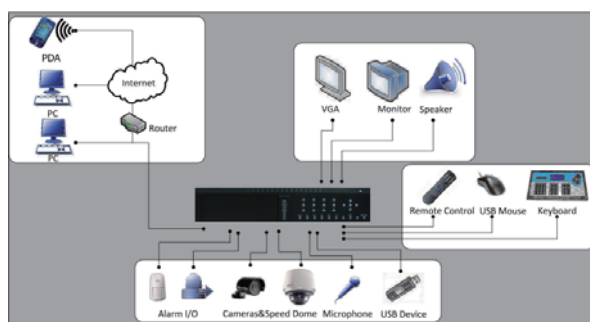
Specifications

		DS-8016HDI-S	DS-8008HDI-S	DS-8004HDI-S
Video/Audio input	Video compression	H.264		
	Video input	16-ch	8-ch	4-ch
	Video input interface	BNC(1.0Vp-p, 75Ω)		
	Audio compression	OggVorbis, 160Kbps		
	Audio input	16-ch	8-ch	4-ch
	Audio input interface	BNC(2Vp-p, 1kΩ)		
	Voice talk input	1-ch, BNC(2Vp-p, 1kΩ)		
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)		
	VGA output	1, resolution: 800×600/60Hz, 1024×768/60Hz, 1280×1024/60Hz		
	Recording resolution	4CIF/DCIF/2CIF/CIF/QCIF		
	Main video output	1-ch, BNC(1.0Vp-p, 75Ω)		
	Aux video output	1-ch, BNC(1.0Vp-p, 75Ω)		
	Frame rate	4CIF: 12fps, DCIF: 15fps, 2CIF: 25(P)/30(N) fps		
	Stream type	Video/Video&Audio		
	Support dual stream	Yes		
	Video bit rate	32Kbps~2Mbps, or user-defined (Max. 8Mbps)		
	Main audio output	1-ch, BNC(linear electrical level, 600Ω)		
	Aux audio output	1-ch, BNC(linear electrical level, 600Ω)		
	Synchronous playback	2-ch		
Hard disk driver	Interface type	8 SATA interface (8 SATA HDDs, or 4 SATA HDDs with 1 SATA DVD-R/W)		
	Capacity	Each interface supports up to 2TB capacity		
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface, 1 RJ45 RS232 Port		
	RS-485 Port	1 Port (T+, T-, R+, R-)		
	Keyboard interface	1 Port (D+, D-)		
	USB interface	1 USB interface, can support USB disk, USB HDD, USB DVD-R/W and CD-R/W		
	Alarm input	16-ch		
	Alarm output	4-ch		
General	Power supply	100~240VAC, 6.3A, 50~60Hz		
	Consumption	≤70W (without HDD or DVD-R/W)		
	Working temperature	-10°C~+55°C		
	Working humidity	10%~90%		
	Dimension (mm)	470mm(D)x441mm(W)x90mm(H)		
	Weight	≤8Kg (without HDD or DVD-R/W)		

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DS-8004/8008/8012/8016HTI-S
Standalone DVR

Key Features

- Each channel supports up to 4CIF encoding
- Dual stream
- Support main and auxiliary video output
- 8 SATA interface
- eSATA interface for high-speed backup (optional)
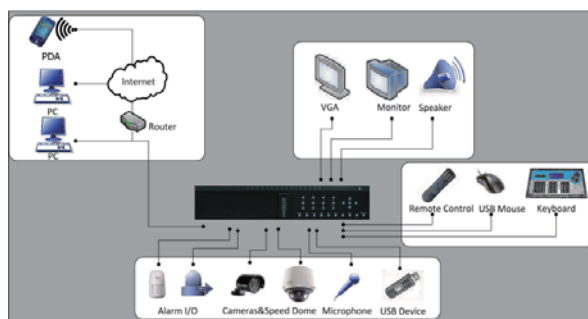
Specifications

		DS-8016HTI-S	DS-8012HTI-S	DS-8008HTI-S	DS-8004HTI-S
Video/Audio input	Video compression	H.264			
	Video input	16-ch	12-ch	8-ch	4-ch
	Video input interface	BNC(1.0Vp-p, 75Ω)			
	Audio compression	OggVorbis, 16Kbps			
	Audio input	16-ch	12-ch	8-ch	4-ch
	Audio input interface	BNC(2Vp-p, 1kΩ)			
	Voice talk input	1-ch, BNC(2Vp-p, 1kΩ)			
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)			
	VGA output	1, resolution: 800×600/60Hz, 1024×768/60Hz, 1280×1024/60Hz			
	Recording resolution	4CIF/DCIF/2CIF/CIF/QCIF			
	Main video output	1-ch, BNC(1.0Vp-p, 75Ω)			
	Aux video output	1-ch, BNC(1.0Vp-p, 75Ω)			
	Frame rate	4CIF: 15fps, DCIF: 25(P)/30(N) fps			
	Stream type	Video/Video&Audio			
	Support dual stream	Yes			
	Video bit rate	32Kbps~2Mbps, or user-defined (Max. 8Mbps)			
	Main audio output	1-ch, BNC(linear electrical level, 600Ω)			
	Aux audio output	1-ch, BNC(linear electrical level, 600Ω)			
	Synchronous playback	2-ch			
Hard disk driver	Interface type	8 SATA interface (8 SATA HDDs, or 4 SATA HDDs with 1 SATA DVD-R/W)			
	Capacity	Each interface supports up to 2TB capacity			
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface, 1 RJ45 RS232 Port			
	RS-485 Port	1 Port (T+, T-, R+, R-)			
	Keyboard interface	1 Port (D+, D-)			
	USB interface	1 USB interface, can support USB disk, USB HDD, USB DVD-R/W and CD-R/W			
	Alarm input	16-ch			
	Alarm output	4-ch			
General	Power supply	100~240VAC, 6.3A, 50~60Hz			
	Consumption	≤70W (without HDD or DVD-R/W)			
	Working temperature	-10°C~+55°C			
	Working humidity	10%~90%			
	Dimension (mm)	470mm(D)x441mm(W)x90mm(H)			
	Weight	≤8Kg (without HDD or DVD-R/W)			

DS-8004/8008/8016HCI-S Standalone DVR

Key Features

- Each channel supports up to 4CIF encoding
- Dual stream
- Up to 8 SATA interface
- eSATA interface for high-speed backup (optional)

Specifications

		DS-8016HCI-S	DS-8008HCI-S	DS-8004HCI-S
Video/Audio input	Video compression	H.264		
	Video input	16-ch	8-ch	4-ch
	Video input interface	BNC(1.0Vp-p, 75Ω)		
	Audio compression	OggVorbis, 16Kbps		
	Audio input	16-ch	8-ch	4-ch
	Audio input interface	BNC(2Vp-p, 1kΩ)		
	Voice talk input	1-ch, BNC(2Vp-p, 1kΩ)		
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)		
	VGA output	1, resolution: 800×600/60Hz, 1024×768/60Hz, 1280×1024/60Hz		
	Recording resolution	4CIF/DCIF/2CIF/CIF/QCIF		
	Main video output	1-ch, BNC(1.0Vp-p, 75Ω)		
	Aux video output	1-ch, BNC(1.0Vp-p, 75Ω)		No
	Frame rate	4CIF: 6fps, DCIF: 8fps, 2CIF: 12fps, CIF: 25(P)/30(N) fps		
	Stream type	Video/Video&Audio		
	Support dual stream	Yes		
	Video bit rate	32Kbps~2Mbps, or user-defined (Max. 8Mbps)		
	Main audio output	1-ch, BNC(linear electrical level, 600Ω)		
	Aux audio output	1-ch, BNC(linear electrical level, 600Ω)		No
	Synchronous playback	1-ch		2-ch
Hard disk driver	Interface type	8 SATA interface (8 SATA HDDs, or 4 SATA HDDs with 1 SATA DVD-R/W)		4 SATA interface
	Capacity	Each interface supports up to 2TB capacity		
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface, 1 RJ45 RS232 Port		
	RS-485 Port	1 Port (T+, T-, R+, R-)		
	Keyboard interface	1 Port (D+, D-)		2 RJ45
	USB interface	1 USB interface, can support USB disk, USB HDD, USB DVD-R/W and CD-R/W		
	Alarm input	16-ch		4-ch
	Alarm output	4-ch		2-ch
General	Power supply	100~240VAC, 6.3A, 50~60Hz		
	Consumption	≤70W (without HDD or DVD-R/W)		
	Working temperature	-10°°C~+55°C		
	Working humidity	10%~90%		
	Dimension (mm)	470mm(D)x441mm(W)x90mm(H)		
	Weight	≤8Kg (without HDD or DVD-R/W)		

DS-8004/8008/8016HSI-S
Standalone DVR

Key Features

- Video loop output interface
- Up to 8 SATA interface
- eSATA interface for high-speed backup (optional)
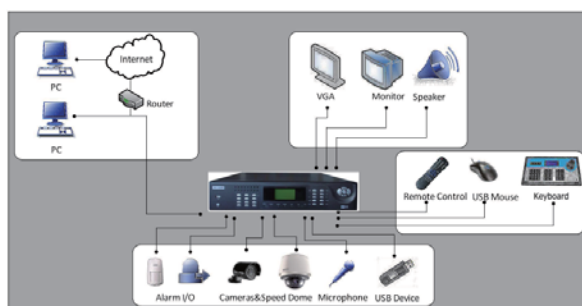
Specifications

		DS-8016HSI-S	DS-8008HSI-S	DS-8004HSI-S
Video/Audio input	Video compression	H.264		
	Video input	16-ch	8-ch	4-ch
	Video input interface	BNC(1.0Vp-p, 75Ω)		
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)		
	VGA output	1, resolution: 800×600/60Hz, 1024×768/60Hz, 1280×1024/60Hz		
	Recording resolution	2CIF/CIF/QCIF		4CIF/DCIF/2CIF/CIF/QCIF
	Video loop output	16-ch	8-ch	4-ch
	Video output	1-ch, BNC(1.0Vp-p, 75Ω)		
	Frame rate	2CIF: 8fps CIF: 25(P)/30(N) fps		4CIF: 8fps, DCIF: 8fps, 2CIF: 15fps, CIF: 25(P)/30(N) fps
	Stream type	Video		
	Video bit rate	32Kbps~2Mbps, or user-defined (Max. 8Mbps)		
Hard disk driver	Interface type	8 SATA interface		4 SATA interface
	Capacity	Each interface supports up to 2TB capacity		
External interface	Communication interface	1 RJ45 10M/100M adaptive ethernet interface		
	RS-232 Port	1 RJ45 RS-232 port		
	PTZ control	1 RS-485 port (T+, T-, R+, R-)		
	Keyboard interface	1 port (D+, D-)		2 RJ45 ports
	USB interface	1 USB interface, can support USB disk, USB HDD, USB DVD-R/W and CD-R/W		
	Alarm input	16-ch		4-ch
	Alarm output	4-ch		2-ch
General	Power supply	100~240VAC, 6.3A, 50~60Hz		
	Consumption	≤70W (without HDD or DVD-R/W)		
	Working temperature	-10°C~+55°C		
	Working humidity	10%~90%		
	Dimension (mm)	470mm(D)x441mm(W)x90mm(H)		
	Weight	≤8Kg (without HDD or DVD-R/W)		

First Choice for Security Professionals

DS-7004/7008/7016HI-S
Standalone DVR

Key Features

- Video loop output interface
- VGA output
- 4 SATA interface
- Support main and auxiliary video output
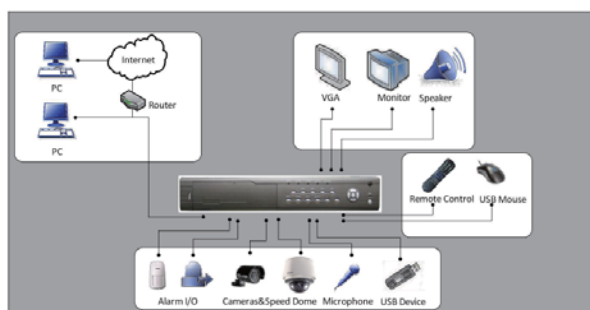
Specifications

|		DS-7016HI-S	DS-7008HI-S	DS-7004HI-S
Video/Audio input	Video compression	H.264		
	Video input	16-ch	8-ch	4-ch
	Video input interface	BNC(1.0Vp-p, 75Ω)		
	Audio compression	OggVorbis, 16Kbps	No	OggVorbis, 16Kbps
	Audio input	4-ch	No	4-ch
	Audio input interface	RCA (2.0Vp-p, 1kΩ)	No	RCA (2.0Vp-p, 1kΩ)
	Voice talk input	1-ch, (Using 1st channel of Audio IN)	No	1-ch, (Using 1st channel of Audio IN)
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)		
	VGA output	1, resolution: 800×600/60Hz, 1024×768/60Hz, 1280×1024/60Hz		
	Recording resolution	2CIF/CIF/QCIF		4CIF/2CIF/CIF/QCIF
	Video output	1-ch, BNC(1.0Vp-p, 75Ω)		
	Video spot out	1-ch, BNC(1.0Vp-p, 75Ω)		
	Video loop out	16-ch	8-ch	4-ch
	Frame rate	2CIF: 8fps CIF: 25(P)/30(N) fps		4CIF: 8fps DCIF: 8fps 2CIF: 15fps CIF: 25(P)/30(N) fps
	Stream type	Video/Video&Audio(ch1-4)	Video	Video/Video&Audio
	Video bit rate	32Kbps~2Mbps, or user-defined (Max. 8Mbps)		
	Audio output	1 channel, RCA (Linear Electrical Level, 600Ω)	No	1 channel, RCA (Linear Electrical Level, 600Ω)
Hard disk driver	Interface type	4 SATA interface (4 SATA HDDs, or 2 SATA HDDs with 1 SATA CD-RW/DVD-RW)		
	Capacity	Each interface supports up to 2TB capacity		
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface, 1 RS232 interface (DB9), 1 RS485 interface (T+,T-,R+,R-)		
	USB interface	1 USB interface, can support USB disk, USB HDD, USB DVD-R/W and CD-R/W		
	Alarm input	16-ch	16-ch	4-ch
	Alarm output	4-ch	4-ch	2-ch
General	Power supply	100~240VAC, 6.3A, 50~60Hz		
	Consumption	≤70W (without HDD or DVD-R/W)		
	Working temperature	-10°C~+55°C		
	Working humidity	10%~90%		
	Dimension (mm)	440mm(W)x390mm(D)x70mm(H)		
	Weight	≤8Kg (without HDD or DVD-R/W)		

HIKVISION

DS-7108HI-S
Standalone DVR

Key Features

- Each channel supports up to CIF real-time encoding
- Video loop output interface
- VGA output
- 2 SATA interface
- Support main and auxiliary video output
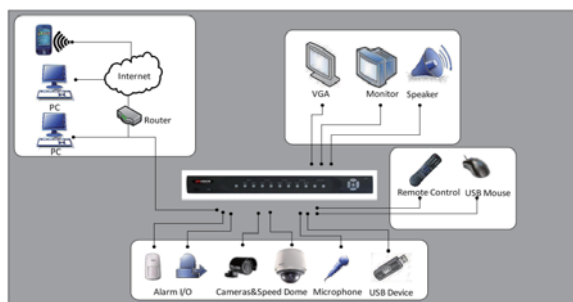
Specifications

		DS-7108HI-S
Video/Audio input	Video compression	H.264
	Video input	8-ch
	Video input interface	BNC(1.0Vp-p, 75Ω)
	Audio compression	OggVorbis, 16Kbps
	Audio input	4-ch
	Audio input interface	RCA (2.0Vp-p, 1kΩ)
	Voice talk input	1-ch, (Using 1st channel of Audio IN)
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)
	VGA output	1, resolution: 800×600/60Hz, 1024×768/60Hz, 1280×1024/60Hz
	Recording resolution	CIF/QCIF
	Video output	1-ch, BNC(1.0Vp-p, 75Ω)
	Video spot out	1-ch, BNC(1.0Vp-p, 75Ω)
	Video loop out	8-ch
	Frame rate	CIF: 25(P)/30(N) fps
	Stream type	Video/Video&Audio
	Support dual stream	Yes
	Video bit rate	32Kbps~2Mbps, or user-defined (Max. 8Mbps)
	Audio output	1 channel, RCA (linear electrical level, 600Ω)
Hard disk driver	Interface type	2 SATA interface
	Capacity	Each interface supports up to 2TB capacity
External interface	Network interface	1 RJ45 10M/100M adaptive ethernet interface
	RS-232 port	1 (DB9)
	RS485 port	T+T- R+R-
	USB interface	1 USB interface, can support USB disk, USB HDD, USB DVD-R/W and CD-R/W
	Alarm input	16-ch
	Alarm output	4-ch
General	Power supply	DC 12V
	Consumption	≤40W(without HDD)
	Working temperature	-10°C~+55°C
	Working humidity	10%~90%
	Dimension (mm)	445mm(W)x290mm(D)x44mm(H)
	Weight	≤3.28Kg(without HDD)

First Choice for Security Professionals

DS-7204HVI-S
Standalone DVR

Key Features

- Each channel supports up to 4CIF encoding
- Dual stream
- VGA output
- 1 SATA interface
- Support main and auxiliary video output
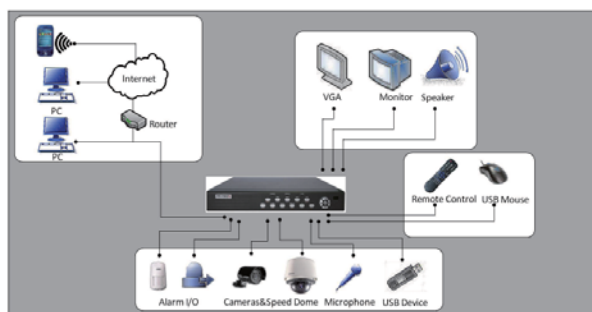
Specifications

		DS-7204HVI-S
Video/Audio input	Video compression	H.264
	Video input	4-ch
	Video input interface	BNC(1.0Vp-p, 75Ω)
	Audio compression	OggVorbis, 16Kbps
	Audio input	1-ch
	Audio input interface	RCA (2.0~2.4Vp-p, 1KΩ)
	Voice talk input	1-ch, (Using Audio IN)
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)
	VGA output	1 VGA interface can support resolution: 1024*768/60Hz
	Recording resolution	4CIF/DIF/2CIF/DCIF/QCIF
	Video output	1-ch, BNC(1.0Vp-p, 75Ω)
	Video spot out	1-ch, BNC(1.0Vp-p, 75Ω)
	Frame rate	4CIF: 6fps, DCIF: 12fps, 2CIF: 12fps CIF: 25(P)/30(N) fps
	Stream type	Video/Video&Audio
	Support dual stream	Yes
	Video bit rate	32Kbps~2Mbps, or user-defined (Max. 8Mbps)
	Audio output	1 channel, RCA (2.0~2.4Vp-p, 600Ω)
Hard disk driver	Interface type	1 SATA interface
	Capacity	Each interface supports up to 2TB capacity
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface 1 RS-485 interface (T+, T-, R+, R-)
	USB interface	1 USB interface, can support USB disk, USB HDD, USB DVD-R/W and CD-R/W
	Alarm input	4-ch
	Alarm output	1-ch
General	Power supply	12VDC
	Consumption	≤40W (without HDD)
	Working temperature	-10°C~+55°C
	Working humidity	10%~90%
	Dimension (mm)	315(W)x230(D)x45 mm(H)
	Weight	≤2.8Kg (without HDD)

DS-7208/7216HVI-S
Standalone DVR

DS-7208HVI-S

DS-7216HVI-S

Key Features

- Each channel supports up to CIF real-time encoding
- VGA output
- 2 SATA interface
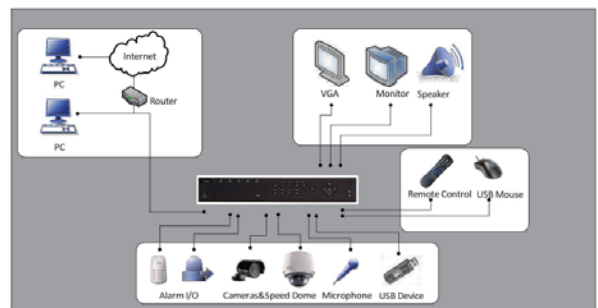
Specifications

		DS-7208HVI-S	DS-7216HVI-S
Video/Audio input	Video compression	H.264	
	Video input	8-ch	16-ch
	Video input interface	BNC(1.0Vp-p, 75Ω), PAL/NTSC adaptive	
	Audio compression	OggVorbis, 16kbps	
	Audio input	4-ch	
	Audio input interface	RCA (2.0~2.4Vp-p, 1KΩ)	
	Voice talk input	1-ch, (Using Audio IN)	
Video/Audio output	Preview resolution	PAL: 704×576, NTSC: 704×480	
	VGA output	1 VGA interface can support resolution: 1024×768/60Hz	
	Recording resolution	CIF/QCIF	
	Video output	2-ch, BNC(1.0Vp-p, 75Ω)	
	Video loop output	8-ch, DB15 (Optional)	16-ch, DB15
	Frame rate	PAL: 25fps, NTSC: 30fps	
	Video bit rate	32Kbps~768Kbps, or user-defined	
	Audio output	1-ch, RCA(linear electrical level, 600Ω)	
Hard disk driver	Interface type	2 SATA interface	
	Capacity	Each interface supports up to 2TB capacity	
External interface	Network Interface	1, RJ45 10M/100M adaptive Ethernet interface	
	Serial Interfaces	1 RS-232 interface (for parameters configuration, maintenance, transparent channel); 1 RS-485 interface (for PTZ control);	
	USB interface	2, USB2.0	
	Alarm input	16-ch	
	Alarm output	4-ch	
General	Power supply	12VDC	
	Consumption	≤40W (without HDD or DVD-R/W)	
	Working temperature	-10°C~+55°C	
	Working humidity	10%~90%	
	Chassis	19" standard chassis	
	Dimension (mm)	290mm(D)×445mm(W)×44mm(H)	390mm(D)×440mm(W)×70mm(H)
	Weight	≤8Kg (without HDD or DVD-R/W)	

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DS-7204AHLI-VS
Standalone DVR

Key Features

- Each channel supports up to 4CIF encoding and CIF real-time encoding
- Dual stream
- VGA output
- 1 SATA interface
- On-screen display (OSD)
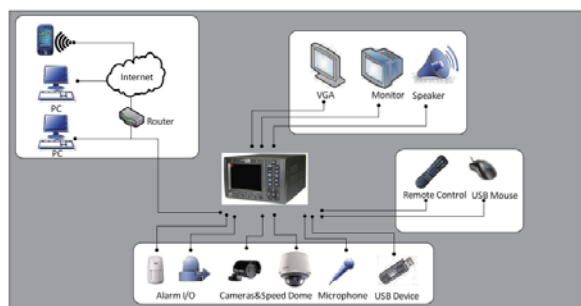
Specifications

		DS-7204AHLI-VS
Video/Audio input	Video compression	H.264
	Video input	4-ch
	Video input interface	BNC(1.0Vp-p, 75Ω)
	Audio compression	OggVorbis, 16Kbps
	Audio input	1-ch
	Audio input interface	RCA (2.0~2.4Vp-p, 1KΩ)
	Voice talk input	1-ch, (Using Audio IN)
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)
	VGA output	1 VGA interface can support resolution: 1024x768/60Hz
	Recording resolution	4CIF/DCIF/2CIF/CIF/QCIF
	Video output	1 Channel BNC (1.0Vp-p, 75Ω)
	Video spot output	1 Channel BNC (1.0Vp-p, 75Ω)
	Frame rate	4CIF: 6fps, DCIF: 12fps, 2CIF: 12fps, CIF: 25(P)/30(N) fps
	Stream type	Video/Video&Audio
	Support dual stream	Yes
	Video bit rate	32Kbps~2Mbps, or user-defined (Max. 8Mbps)
	Audio output	1 channel, RCA (2.0~2.4Vp-p, 600Ω)
Hard disk driver	Interface type	1 SATA interface
	Capacity	Each interface supports up to 2TB capacity
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface, 1 RS-485 interface (T+, T-, R+, R-)
	USB interface	1 USB interface, can support USB disk, USB HDD, USB DVD-R/W and CD-R/W
	Alarm input	4-ch
	Alarm output	1-ch
	Support Buzzer	Yes
General	Power supply	12VDC
	Consumption	≤40W (without HDD)
	Working temperature	-10°C~+55°C
	Working humidity	10%~90%
	Size (mm)	270(D)x200(W)x130 mm(H)
	Weight	≤5Kg (without HDD)

DS-8002/8004AHI-S ATM/POS DVR

Key Features

- Each channel supports up to CIF real-time encoding
- Dual stream
- VGA output
- 4 SATA interface
- Overlay card number, transaction type, amount and other information on video
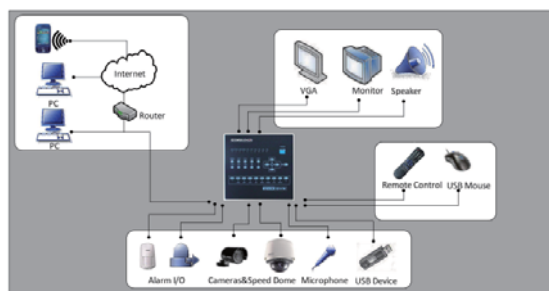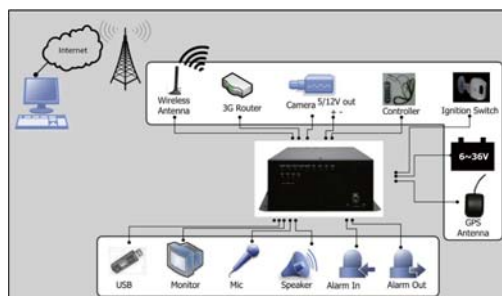
Specifications

		DS-8004AHI-S	DS-8002AHI-S
Video/Audio input	Video compression	H.264	
	Video input	4-ch	3-ch
	Video input interface	BNC(1.0Vp-p, 75Ω)	
	Audio compression	OggVorbis, 16Kbps	
	Audio input	4-ch	3-ch
	Audio input interface	BNC (2.0Vp-p, 1kΩ)	
	Voice talk input	1-ch, BNC (2.0Vp-p, 1kΩ)	
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)	
	VGA output	1, resolution: 800×600/60Hz, 800×600/75Hz, 1024×768/60Hz	
	Recording resolution	CIF/QCIF	
	Video output	1 Channel BNC (1.0Vp-p, 75Ω), 1 Channel RCA (1.0Vp-p, 75Ω)	
	Frame rate	CIF: 25(P)/30(N) fps	
	Stream type	Video/Video&Audio	
	Support dual stream	Yes	
	Video bit rate	32Kbps~2Mbps, or user-defined (Max. 8Mbps)	
	Audio output	1 Channel BNC (linear electrical level, 600Ω) 1 Channel RCA (linear electrical level, 600Ω)	
	Synchronous playback	2-ch	
Hard disk driver	Interface type	4 SATA interface	
	Capacity	Each interface supports up to 2TB capacity	
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface 1 RJ45 RS-232 port, 1 RJ45 RS-485 port	
	USB interface	1 USB interface, can support USB disk, USB HDD, USB DVD-R/W and CD-R/W	
	Alarm input	5-ch	4-ch
	Alarm output	2-ch	2-ch
General	Power supply	100~240VAC, 6.3A, 50~60Hz	
	Consumption	≤70W (without HDD)	
	Working temperature	-10°C~+55°C	
	Working humidity	10%~90%	
	Dimention (mm)	280mm(D)x180mm(W)x180mm(H)	
	Weight	≤5Kg (without HDD)	

DS-8002/8004AHLI-S ATM/POS DVR

Key Features

- Each channel supports up to CIF real-time encoding
- Dual stream
- VGA output
- 4 SATA interface
- Overlay card number, transaction type, amount and other information on video
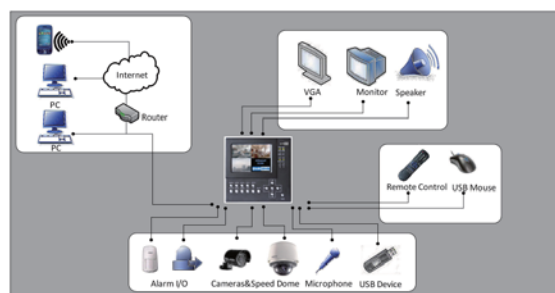
Specifications

		DS-8004AHLI-S	DS-8002AHLI-S
Video/Audio input	Video compression	H.264	
	Video input	4-ch	3-ch
	Video input interface	BNC(1.0Vp-p, 75Ω)	
	Audio compression	OggVorbis, 16Kbps	
	Audio input	4-ch	3-ch
	Audio input interface	BNC (2.0Vp-p, 1kΩ)	
	Voice talk input	1-ch, BNC (2.0Vp-p, 1kΩ)	
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)	
	LCD screen	5"	
	VGA output	1, resolution: 800×600/60Hz, 800×600/75Hz, 1024×768/60Hz	
	Recording resolution	CIF/QCIF	
	Video output	1 Channel BNC (1.0Vp-p, 75Ω), 1 Channel RCA (1.0Vp-p, 75Ω)	
	Frame rate	CIF: 25(P)/30(N) fps	
	Stream type	Video/Video&Audio	
	Support dual stream	Yes	
	Video bit rate	32Kbps~2Mbps, or user-defined (Max. 8Mbps)	
	Audio output	1 Channel BNC (linear electrical level, 600Ω) 1 Channel RCA (linear electrical level, 600Ω)	
	Synchronous playback	2-ch	
Hard disk driver	Interface type	4 SATA interface	
	Capacity	Each interface supports up to 2TB capacity	
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface 1 RJ45 RS-232 port, 1 RJ45 RS-485 port	
	USB interface	1 USB interface, can support USB disk, USB HDD, USB DVD-R/W and CD-R/W	
	Alarm input	5-ch	4-ch
	Alarm output	2-ch	2-ch
General	Power supply	100~240VAC, 6.3A, 50~60Hz	
	Consumption	≤70W (without HDD)	
	Working temperature	-10°C~+55°C	
	Working humidity	10%~90%	
	Dimension (mm)	280mm(D)x180mm(W)x180mm(H)	
	Weight	≤5Kg (without HDD)	

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DS-8004AHFLI-S
ATM/POS DVR

Key Features

- Each channel supports up to 4CIF real-time encoding
- Dual stream
- VGA output
- 4 SATA interface
- Overlay card number, transaction type, amount and other information on video
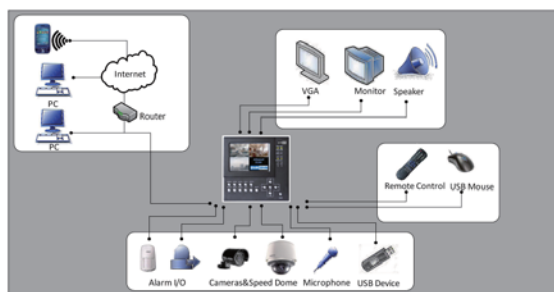
Specifications

		DS-8004AHFLI-S
Video/Audio input	Video compression	H.264
	Video input	4-ch
	Video input interface	BNC(1.0Vp-p, 75Ω)
	Audio compression	OggVorbis, 16Kbps
	Audio input	4-ch
	Audio input interface	BNC (2.0Vp-p, 1kΩ)
	Voice talk input	1-ch, BNC (2.0Vp-p, 1kΩ)
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)
	LCD screen	5"
	VGA output	1, resolution: 800×600/60Hz, 800×600/75Hz, 1024×768/60Hz
	Recording resolution	4CIF/DCIF/2CIF/CIF/QCIF
	Video output	1 Channel BNC (1.0Vp-p, 75Ω), 1 Channel RCA (1.0Vp-p, 75Ω)
	Frame rate	4CIF: 25(P)/30(N) fps
	Stream type	Video/Video&Audio
	Support dual stream	Yes
	Video bit rate	32Kbps~2Mbps, or user-defined (Max. 8Mbps)
	Audio output	1 Channel BNC (linear electrical level, 600Ω) 1 Channel RCA (linear electrical level, 600Ω)
	Synchronous playback	2-ch
Hard disk driver	Interface type	4 SATA interface
	Capacity	Each interface supports up to 2TB capacity
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface 1 RJ45 RS-232 port, 1 RJ45 RS-485 port
	USB interface	1 USB interface, can support USB disk, USB HDD, USB DVD-R/W and CD-R/W
	Alarm input	5-ch
	Alarm output	2-ch
General	Power supply	100~240VAC, 6.3A, 50~60Hz
	Consumption	≤70W (without HDD)
	Working temperature	-10°C~+55°C
	Working humidity	10%~90%
	Dimension (mm)	280mm(L)x180mm(W)x180mm(H)
	Weight	≤5Kg (without HDD)

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DS-8001/8002/8004HMI Mobile DVR

Key Features

- Dual stream
- Anti-shock technology
- 1 SATA interface
- eSata interface for high-speed back-up
- Support external wireless router

Specifications

		DS-8001HMI	DS-8002HMI	DS-8004HMI
Video/Audio input	Video compression	H.264		
	Video input	1-ch	2-ch	4-ch
	Video input interface	BNC(1.0Vp-p, 75Ω)		
	Audio compression	OggVorbis, 16Kbps		
	Audio input	1-ch	2-ch	4-ch
	Audio input interface	BNC (2.0Vp-p, 1KΩ)		
	Voice talk input	1 BNC (linear eletrical level, 1KΩ)		
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)		
	VGA output (optional)	1, resolution: 800×600/60Hz, 800×600/75Hz, 1024×768/60Hz		
	Recording resolution	4CIF/DCIF/2CIF/CIF/QCIF	DCIF/2CIF/CIF/QCIF	CIF/QCIF
	Video output	1-ch, BNC(1.0Vp-p, 75Ω)		
	Frame rate	4CIF: 25(P)/30(N) fps	DCIF: 25(P)/30(N) fps	CIF: 25(P)/30(N) fps
	Stream type	Video/Video&Audio		
	Support dual stream	Yes		
	Video bit rate	32kbps~2Mbps (user-defined max 8Mbps)		
	Audio output	1 channel BNC (linear eletrical level, 600Ω)		
Hard disk driver	Interface type	1 SATA interface		
	Capacity	Each interface supports up to 2TB capacity		
	Technical patent	Hard disk vibration-proof and bracing technology		
External interface	Network interface	1 RJ45 10M/100M adaptive Ethernet level, can be connected with external CDMA, EDGE, GPRS, 3G and WLAN wireless module		
	Backup interface	1 E-SATA interface for high speed backup		
	USB interface	1 USB interface, can be connected with USB disk, USB HDD		
	Alarm input	4-ch		
	Alarm output	2-ch		
	Remote control	IR remote control		
	GPS (optional)	Built-in GPS module		
General	Vehicle power input	6-36VDC adaptive		
	Power output	12VDC,5V output, build in Resettable Fuse		
	Power off delay	Shut down delay after ignition off (5min~6h)		
	Scheduled on/off	Daily scheduled power on/off (00:00~24:00)		
	Consumption	≤22W (without HDD)		
	Working temperature	-15°C~+55°C		
	Working humidity	10%~95%		
	Dimention (mm)	290mm(D)×225mm(W)×90mm(H)		
	Weight	5Kg (without HDD)		

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DS-8008/8012HMI
Mobile DVR

Key Features

- Each channel supports up to 2CIF real-time encoding
- Dual stream
- Anti-shock technology
- 2 2.5" pluggable SATA cages
- Support mirror recording and master-slave recording
- eSata interface for high-speed back-up
- Built-in CDMA/WCDMA/CDMA 2000 wireless network modules
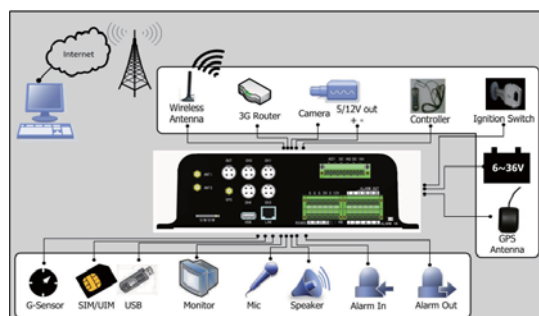- Built-in GPS module
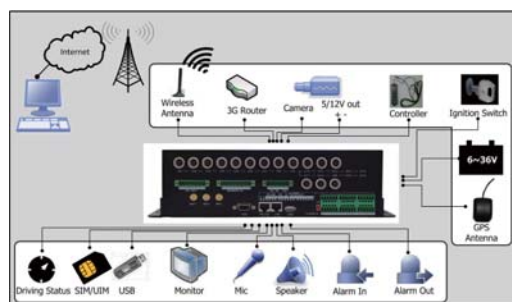
Specifications

		DS-8008HMI	DS-8012HMI
Video/Audio input	Video compression	H.264	
	Video input	8-ch	12-ch
	Video input interface	Aviation (1.0Vp-p, 75Ω)	
	Audio compression	OggVorbis, 16Kbps	
	Audio input	8-ch	12-ch
	Audio input interface	Aviation (linear electrical level, 1KΩ)	
	Voice talk input	1 Aviation (linear electrical level, 1KΩ)	
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)	
	VGA output (optional)	1, resolution: 800×600/60Hz, 800×600/75Hz, 1024×768/60Hz	
	Recording resolution	2CIF/CIF/QCIF	
	Video output	2-ch, aviation interface	
	Frame rate	25(P)/30(N) fps	
	Stream type	Video/Video&Audio	
	Video bit rate	32Kbps~2Mbps, or user-defined (Max. 8Mbps)	
	Audio output	2 channel (Linear level, 600Ω)	
Hard disk driver	HDD	2 pluggable HDDs, each max supports 2000GB	
	Technical patent	Hard disk vibration-proof and bracing technology	
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface, 1 RS232 interface, 1 RS485 interface	
	Wireless network interface	2 x SMA Wireless network antenna	
	eSATA interface	1 eSATA interface for high speed backup	
	USB interface	1 USB interface	
	Alarm input	16-ch	
	Alarm output	4-ch	
	Remote control	Special IR remote control	
	GPS (optional)	Build in GPS module, SMA antenna	
General	Vehicle power input	6-36VDC adaptive	
	Power output	12VDC,5V output, build in resettable fuse	
	Power off delay	Shut down delay after ignition off (5min~6h)	
	Scheduled on/off	Daily scheduled power on/off (00:00~24:00)	
	Consumption	26W (without HDD)	30W (without HDD)
	Working temperature	-15°C~+55°C	
	Working humidity	10%~95%	
	Dimention (mm)	225mm(D)x293mm(W)×90mm(H)	
	Weight	≤5Kg (without HDD)	

DS-8002/8004HMFI Mobile DVR

Key Features

- Each channel supports up to 4CIF real-time encoding
- Dual stream
- Anti-shock technology
- 1 SATA interface
- eSata interface for high-speed back-up
- Support external wireless router
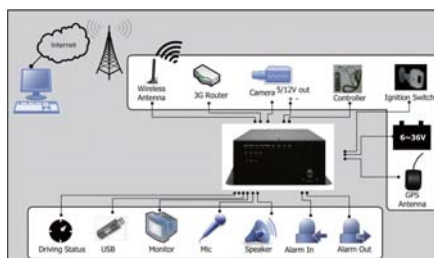
Specifications

		DS-8002HMFI	DS-8004HMFI
Video/Audio input	Video compression	H.264	
	Video input	2-ch	4-ch
	Video input interface	Aviation connector (1.0Vp-p, 75Ω)	
	Audio compression	OggVorbis, 16Kbps	
	Audio input	2-ch	4-ch
	Audio input interface	Aviation connector (2.0Vp-p, 1KΩ)	
	Voice talk input	1 Aviation connector (linear electical level, 1KΩ)	
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)	
	VGA output (optional)	1, resolution: 800×600/60Hz, 800×600/75Hz, 1024×768/60Hz	
	Recording resolution	4CIF/DCIF/2CIF/CIF/QCIF	
	Video output	2 channel Aviation interface (1.0Vp-p, 75Ω)	
	Frame rate	4CIF: 25(P)/30(N) fps	
	Stream type	Video/Video&Audio	
	Support dual stream	Yes	
	Video bit rate	32Kbps~2Mbps, or user-defined (Max 8 Mbps)	
	Audio output	1 channel Aviation connector (linear electrical level, 600Ω)	
Hard disk driver	Interface type	1 SATA interface	
	Capacity	Each interface supports up to 2TB capacity	
	Technical patent	Hard disk vibration-proof and bracing technology	
External interface	Network interface	1 RJ45 10M/100M adaptive Ethernet interface, can be connected with external CDMA, EDGE, GPRS, 3G and WLAN wireless module	
	RS-232 interface	1	
	Backup interface	1 E-SATA interface for high speed backup	
	USB interface	1 USB interface, can support USB disk, USB HDD	
	Can bus (Optional)	Optional	
	Media play Audio Out (Optional)	2 x 10W	
	Alarm input	4-ch	
	Alarm output	2-ch	
	Sensor input	8 sensor input, for driving status	
	Remote control	IR/wired controller for mobile DVR	
	GPS (optional)	Build in GPS module	
General	Vehicle power input	6-36VDC adaptive	
	Power output	12VDC,5V output, build in Resettable Fuse	
	Power off delay	Shut down delay after ignition off (5min~6h)	
	Scheduled on/off	Daily scheduled power on/off (00:00~24:00)	
	Consumption	≤24W (without HDD)	
	Working temperature	-15°C~+55°C	
	Working humidity	10%~95%	
	Dimension (mm)	310mm(D)×225mm(W)×100mm(H)	
	Weight	≤5Kg (without HDD)	

DS-8008/8012HMFI
Mobile DVR

Key Features

- Each channel supports up to 4CIF real-time encoding
- Dual stream
- Anti-shock technology
- 2 2.5" pluggable SATA cages
- Support mirror recording and master-slave recording
- eSata interface for high-speed back-up
- Built-in CDMA/WCDMA/CDMA 2000 wireless network modules
- Built-in GPS module
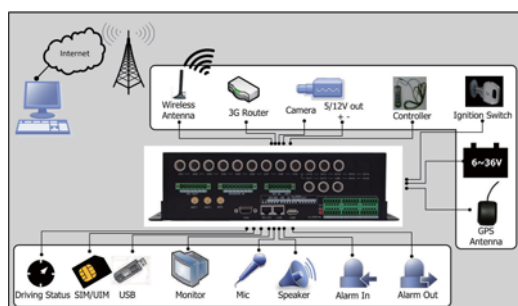
Specifications

		DS-8008HMFI	DS-8012HMFI
Video/Audio input	Video compression	H.264	
	Video input	8-ch	12-ch
	Video input interface	Aviation (1.0Vp-p, 75Ω)	
	Audio compression	OggVorbis, 16Kbps	
	Audio input	8-ch	12-ch
	Audio input interface	Aviation (linear electrical level, 1KΩ)	
	Voice talk input	1 Aviation (linear electrical level, 1KΩ)	
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)	
	VGA output	1, resolution: 800×600/60Hz, 800×600/75Hz, 1024×768/60Hz	
	Recording resolution	4CIF/DCIF/2CIF/CIF/QCIF	
	Video output	2-ch, aviation interface(1.0Vp-p, 75Ω)	
	Frame rate	25(P)/30(N) fps	
	Stream type	Video/Video&Audio	
	Video bit rate	32Kbps~2Mbps, or user-defined (Max. 8Mbps)	
	Audio output	2-ch (linear electrical level, 600Ω)	
Hard disk driver	HDD	2 pluggable HDDs, each max supports 2000GB	
	Technical patent	Hard disk vibration-proof and bracing technology	
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface, 1 RS232 interface, 1 RS485 interface	
	Wireless network interface	2 x SMA Wireless network antenna	
	eSATA interface	1 E-SATA interface for high speed backup	
	USB interface	1 USB interface, can support USB disk, USB HDD	
	Alarm input	16-ch	
	Alarm output	4-ch	
	Remote control	Special IR controller/wire controller for mobile DVR	
	GPS (optional)	Build in GPS module, SMA antenna	
General	Vehicle power input	6-36VDC adaptive	
	Power output	12VDC,5V output, build in resettable fuse	
	Power off delay	Shut down delay after ignition off (5min~6h)	
	Scheduled on/off	Daily scheduled power on/off (00:00~24:00)	
	Consumption	≤30W (without HDD)	≤40W (without HDD)
	Working temperature	-15°C~+55°C	
	Working humidity	10%~95%	
	Dimention (mm)	293mm(D)×225mm(W)×90mm(H)	
	Weight	≤5Kg (without HDD)	

First Choice for Security Professionals

DS-8104HMI-A
Mobile DVR

Key Features

- Each channel supports up to 4CIF encoding
- Dual stream
- Anti-shock technology
- 2 2.5" pluggable SATA cages
- Built-in CDMA/WCDMA/CDMA 2000 wireless network modules
- Built-in GPS Module
- Built-in G-sensor

Specifications

		DS-8104HMI-A
Video/Audio input	Video compression	H.264
	Video input	4-ch
	Video input interface	aviation interface (PAL/NTSC adaptive; 1.0Vp-p, 75Ω)
	Audio compression	OggVorbis, 16Kbps
	Audio input	4-ch
	Audio input interface	aviation interface (linear level, 1kΩ)
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)
	Recording resolution	4CIF/DCIF/2CIF/CIF/QCIF
	Video output	1-ch, aviation plug (PAL/NTSC adaptive; 1.0Vp-p, 75Ω)
	Frame rate	4CIF: 6fps, DCIF: 12fps, 2CIF: 15fps, CIF/QCIF: 25(P)/30(N)
	Stream type	Video/Video&Audio
	Video bit rate	32K~2M adjustable, or user-defined, Max. 8Mbps
	Audio output	1-ch, aviation interface (linear level, 600Ω)
Hard disk driver	Interface type	2 SATA interface
	Capacity	Each interface supports up to 2TB capacity
	Technical patent	Hard disk vibration-proof and bracing technology
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface, 1 RS-485 interface
	Wireless network	Build-in module, double SMA antenna interface
	USB interface	1 USB interface, USB 2.0
	Alarm input	8-ch sensor input, support 2 types: N.O./N.C.
	Alarm output	2-ch relay(or dry contact) output
	Remote control	IR remote controller
	GPS	Built-in GPS Module
General	Power input	6-36VDC adaptive
	Power output	12VDC, 5V output, build in resettable fuse
	Power off delay	Shut down delay after ignition off (5min~6h)
	Scheduled on/off	Daily scheduled power on/off (00:00~24:00)
	Consumption	≤6W(without hard disks)
	Working temperature	-15°C~+55°C
	Working humidity	10%~95%
	Dimension (mm)	210mm(D)x236mm (W)×73mm (H)
	Weight	≤3Kg (without HDD)

First Choice for Security Professionals

DS-8104HMI-B
Mobile DVR

Key Features

- Each channel supports up to 4CIF encoding
- Dual stream
- Anti-shock technology
- 2 2.5" pluggable SATA cages
- Built-in CDMA/WCDMA/CDMA 2000 wireless network modules
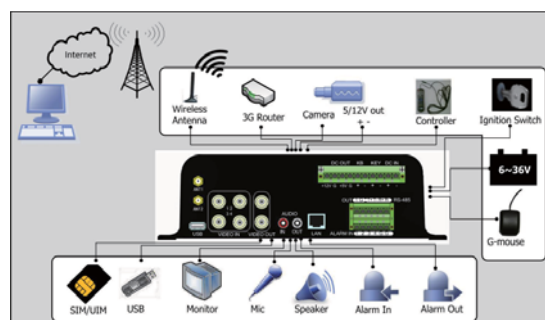
Specifications

		DS-8104HMI-B
Video/Audio input	Video compression	H.264
	Video input	4-ch
	Video input interface	BNC (PAL/NTSC adaptive; 1.0Vp-p, 75Ω)
	Audio compression	OggVorbis, 16Kbps
	Audio input	1-ch
	Audio input interface	RCA (2.0~2.4Vp-p, 1000Ω)
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)
	Recording resolution	4CIF/DCIF/2CIF/CIF/QCIF
	Video output	2-ch, BNC (PAL/NTSC adaptive; 1.0Vp-p, 75Ω)
	Frame rate	4CIF: 6fps, DCIF: 12fps, 2CIF: 15fps, CIF/QCIF: 25(P)/30(N)
	Stream type	Video/Video&Audio
	Video bit rate	32K~2M adjustable, or user-defined (Max. 8Mbps)
	Audio output	1-ch, RCA (2.0~2.4Vp-p, 600Ω)
Hard disk driver	Interface type	2 SATA interface
	Capacity	Each interface supports up to 2TB capacity
	Technical patent	Hard disk vibration-proof and bracing technology
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface, 1 RS-485 interface
	Wireless network	Build-in module
	USB interface	1 USB interface, USB 2.0
	Alarm input	4-ch sensor input, support 2 types: N.O./N.C.
	Alarm output	1-ch relay(or dry contact) output
	Remote control	IR remote controller
	GPS	RS-485 interface (optional module)
General	Power input	6-36VDC adaptive
	Power output	12VDC,5V output, build in resettable fuse
	Power off delay	Shut down delay after ignition off (5min~6h)
	Scheduled on/off	Daily scheduled power on/off (00:00~24:00)
	Consumption	≤6W(without hard disks)
	Working temperature	-15°C~+55°C
	Working humidity	10%~95%
	Dimension (mm)	210mm(D)x236mm (W)×73mm (H)
	Weight	≤3Kg (without HDD)

DS-8104HMI-M
Mobile DVR

Key Features

- Each channel supports up to 4CIF encoding
- Dual stream
- Anti-shock technology
- Support SD local recording
- Built-in CDMA/WCDMA/CDMA 2000 wireless network modules
- Built-in GPS Module
- Built-in G-sensor
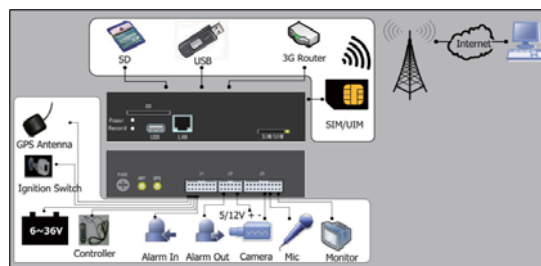
Specifications

		DS-8104HMI-M
Video/Audio input	Video compression	H.264
	Video input	4-ch
	Video input interface	(PAL/NTSC adaptive; 1.0Vp-p, 75Ω)
	Audio compression	OggVorbis, 16Mbps
	Audio input	2-ch
	Audio input interface	(2.0~2.4Vp-p, 1000Ω)
Video/Audio output	Preview resolution	4CIF (PAL: 704x576, NTSC: 704x480)
	Recording resolution	4CIF/DCIF/2CIF/CIF/QCIF
	Video output	1-ch, (PAL/NTSC adaptive; 1.0Vp-p, 75Ω)
	Frame rate	4CIF: 6fps, DCIF: 12fps, 2CIF: 15fps, CIF/QCIF: 25(P)/30(N)
	Stream type	Video/Video&Audio
	Video bit rate	32K~2M adjustable, or user-defined (Max. 8Mbps)
	Audio output	1-ch, (2.0~2.4Vp-p, 600Ω)
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface, 1 RS-485 interface
	Wireless network	Build-in module, 2 SMA antenna interfaces
	USB interface	1 USB interface, USB 2.0 for backup
	SD card interface	Support 1 SD card for recording & backup
	Alarm input	7-ch electrical level signal input, 1-ch pulsing signal input
	Alarm output	2-ch relay(or dry contact) output
	Remote control	Special remote control
	GPS	Build-in module, 1 SMA antenna interface
	Technical patent	Hard disk vibration-proof and bracing technology
General	Vehicle power input	6-36VDC adaptive
	Power output	12Vdc,5V output, build in resettable fuse
	Power off delay	Shut down delay after ignition off (5min~6h)
	Scheduled on/off	Daily scheduled power on/off (00:00~24:00)
	Consumption	≤5W
	Working temperature	-10°C~+55°C
	Working humidity	10%~95%
	Dimension (mm)	105mm(D)x155mm (W)×45mm (H)
	Weight	≤1Kg

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DS-1002HMI-S
Mobile DVR Backup Device

DS-1002HMI-S backup device is designed to back-up the recorded video data from DS-8000HMI/HMFI mobile DVR. High-speed back-up, settings and other auxiliary operations are also available. It is an optional device for Hikvision DS-8000HMI/HMFI series mobile DVR.

The backup device DS-1002HMI-S can be connected to mobile DVR with e-SATA interface and backup recorded video data in any specified time frame. Mobile DVR video output also can be connected to DS-1002HMI-S video input in order to use DS-1002HMI-S LCD to display mobile DVR menu.

After the back-up, DS-1002HMI-S can be connected to PC via USB and SATA interface to playback the video data.

Specifications

		DS-1002HMI-S
Hard disk driver	Interface type	1 SATA interface
External interface	e-SATA interface	1 e-SATA interface
	USB interface	1 USB2.0 interface
	Video input	1 channel aviation interface
	LCD	5.5" color TFT LCD monitor
General	Power supply	+12VDC
	Power consumption	10W (without HDD)
	Working temperature	-10°C~+55°C
	Working humidity	10%~90%
	Dimension (mm)	80mm(D)x195mm(W)x170mm(H)
	Weight	≤2Kg

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DS-1004HMI
Mobile DVR Backup Device

DS-1004HMI backup device is designed especially for mobile DVR of pluggable hard drivers. It is used for backup the recorded video files from mobile DVR hard drivers. It is simple and convenient to use.

You can plug the hard drivers of mobile DVR into DS-1004HMI, after you connect DS-1004HMI to PC via USB or eSATA, you can copy the video files directly or using export software, then save or playback the video files in computer.

It is an optional peripheral device for Hikvision DS-81xxHMI, DS-8008HMI/HMFI, DS-8012HMI/HMFI and DS-8600HMFI-GA series car mobile DVR.

Specifications

		DS-1004HMI
Hard disk driver	Interface type	2 SATA interface
	Capacity	support 2.5" SATA HDD
External interface	e-SATA interface	1 e-SATA interface
	USB interface	1 USB2.0 interface
General	Power supply	+12VDC
	Power consumption	2W (without HDD)
	Working temperature	-10°C~+55°C
	Working humidity	10%~90%
	Dimension (mm)	203mm(D)x146mm(W)x79mm(H)
	Weight	1.5Kg

DIGITAL VIDEO SERVER

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DIGITAL VIDEO SERVER

RS-232

HDD Tx/Rx LINK POWER

DIGITAL

VIDEO SERVER

Tx/Rx   Link   PWR

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Digital Video Server

Tx/Rx   LINK   PWR

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DS-6104HCI
Digital Video Server

Key Features

- High performance DSP hardware compression
- H.264 video compression
- Dual streams
- Support variable bit rate and frame rate
- Multi-zone motion detection and private masking
- Multi-lever user access management
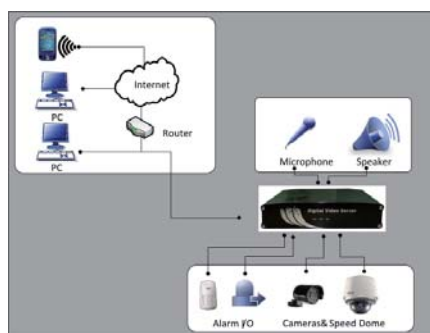
Specifications

		DS-6104HCI
Video/Audio input	Video compression	H.264
	Video input	4-ch
	Video input interface	BNC (1.0Vp-p, 75Ω), support PAL, NTSC
	Audio compression	OggVorbis, 16Kbps
	Audio input	4-ch
	Audio input interface	BNC(2Vp-p, 1kΩ)
	Voice talk input	1-ch, BNC(2Vp-p, 1kΩ)
Video/Audio output	Encode/Decode resolution	4CIF/DCIF/2CIF: 4fps for 4-ch CIF/QCIF: 25fps(P) / 30fps(N)
	Frame rate	CIF: 25(P)/30(N) fps
	Stream type	Video/Video&Audio
	Support dual stream	Yes
	Video bit rate	32Kbps~2Mbps, or user-defined (Max. 8Mbps)
	Audio output	1 channel (linear electrical level, 600Ω)
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface, 1 RS232 interface and 1 RS485 interface
	Alarm input	4-ch
	Alarm output	2-ch
General	Power supply	12VDC
	Consumption	≤7W
	Working temperature	-10°C~+55°C
	Working humidity	10%~90%
	Dimension (mm)	123mm(D)x39mm(H)x198mm(W)
	Weight	≤1Kg

DS-6101HFI-SATA
Digital Video Server

Key Features

- High performance DSP hardware compression
- H.264 video compression
- Dual streams
- Support variable bit rate and frame rate
- Multi-zone motion detection and private masking
- Multi-lever user access management
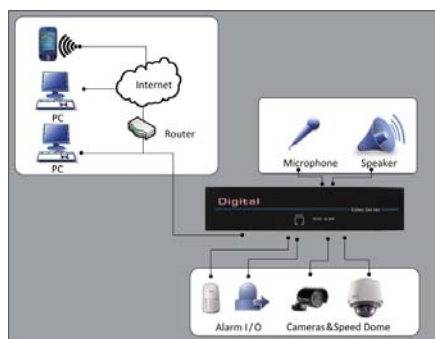
Specifications

		DS-6101HFI-SATA
Video/Audio input	Video compression	H.264
	Video input	1-ch
	Video input interface	BNC (1.0Vp-p, 75Ω), PAL/NTSC
	Audio compression	OggVorbis, 16Kbps
	Audio input	1-ch
	Audio input interface	BNC (2.0~2.4Vp-p, 1kΩ)
	Voice talk input	1 channel RCA (2.0~2.4Vp-p, 1kΩ)
Video/Audio output	Recording resolution	4CIF/DCIF/2CIF/CIF/QCIF
	Frame rate	4CIF: 25fps(PAL) / 30fps(NTSC)
	Stream type	Video / Video & Audio
	Support dual stream	Yes
	Video bit rate	32Kbps ~ 2Mbps, or user-defined (Max. 8Mps)
	Audio output	1 channel RCA(2.0~2.4Vp-p, 600Ω)
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface, 1 RS232 interface, 1 RJ45 interface, and 1 RS485 interface
	SATA interface	1 interface for 1 SATA hard disk, the max capacity is 2000GB
	Alarm input	4-ch
	Alarm output	2-ch
General	Power supply	110-240VAC, 47~63Hz
	Consumption	≤40W (without HDD)
	Working temperature	-10°C~+55°C
	Working humidity	10%~90%
	Dimension (mm)	222mm(D)x78mm(H)x350mm(W)
	Weight	≤5Kg(without HDD)

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DS-6104HCI-SATA
Digital Video Server
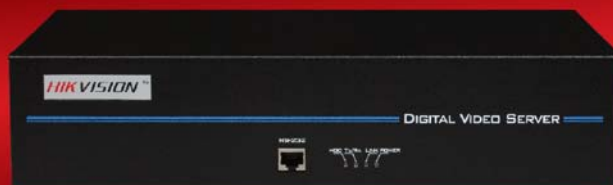
Key Features

- High performance DSP hardware compression
- H.264 video compression
- Dual streams
- Support variable bit rate and frame rate
- Multi-zone motion detection and private masking
- Multi-lever user access management
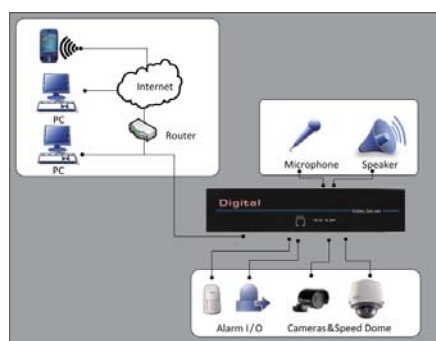
Specifications

		DS-6104HCI-SATA
Video/Audio input	Video compression	H.264
	Video input	4-ch
	Video input interface	BNC (1.0Vp-p, 75Ω), support PAL, NTSC
	Audio compression	OggVorbis, 16Kbps
	Audio input	4-ch
	Audio input interface	BNC (2.0~2.4Vp-p, 1kΩ)
	Voice talk input	1 channel RCA (2.0~2.4Vp-p, 1kΩ)
Video/Audio output	Recording resolution	4CIF/DCIF/2CIF: 4fps for 4-ch CIF/QCIF: 25fps(P) / 30fps(N)
	Frame rate	4CIF: 2fps, DCIF/2CIF: 4fps, CIF: 25fps(PAL) / 30fps(NTSC)
	Stream type	Video / Video & Audio
	Support dual stream	Yes
	Video bit rate	32Kbps ~ 2Mbps, or user-defined (Max. 8Mps)
	Audio output	1 channel RCA(2.0~2.4Vp-p, 600Ω)
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface, 1 RS232 interface, 1 RJ45 interface and 1 RS485 interface
	SATA interface	1 interface for 1 SATA hard disk, the max capacity is 2000GB
	Alarm input	4-ch
	Alarm output	2-ch
General	Power supply	110-240VAC, 47~63Hz
	Consumption	≤40W (without HDD)
	Working temperature	-10°C~+55°C
	Working humidity	10%~90%
	Dimension (mm)	222mm(D)x78mm(H)x350mm(W)
	Weight	≤5Kg(without HDD)

IP Module

Hikvision IP module applies Embedded Linux OS and the latest TI DaVinci platform. The product can be embedded into analog camera and analog speed dome to build up network camera and network speed dome. With chassis, IP module can also be used as one channel network digital video server.

Specifications

		IP Module
Video/Audio input	Video compression	H.264
	Video input	1-ch
	Video input interface	BNC (1.0Vp-p, 75Ω)
	Audio compression	OggVorbis, 16Kbps
	Audio input	1-ch
	Audio input interface	BNC(2Vp-p, 1kΩ)
	Voice talk input	1, RCA 2.0Vp-p, 1kΩ
Video/Audio output	Encode/Decode resolution	4CIF/DCIF/2CIF/CIF/QCIF
	Frame rate	4CIF: 25(P)/30(N) fps
	Stream type	Video/Video&Audio
	Support dual stream	Yes
	Video bit rate	32Kbps ~ 2Mbps, or user-defined (Max. 8Mbps)
	Audio output	1 Channel RCA Linear Electrical Level, 600Ω
External interface	Network interface	1 RJ45 10M/100M adaptive Ethernet interface
	RS-232 Port	1 RJ45 RS-232 Port
	RS-485 port	Screw terminal (T+, T-)
	Alarm input	1-ch
	Alarm output	1-ch
General	Power supply	12VDC
	Consumption	≤3W
	Working temperature	-10°C~+55°C
	Working humidity	10%~90%
	Dimension (mm)	Compression board: 38mmx80mm Chassis board: 53mmx94mm
	Weight	≤0.5Kg

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DS-6101HFI-IP
Digital Video Server

Key Features

- High performance DSP hardware compression
- H.264 video compression
- Dual streams
- Support variable bit rate and frame rate
- Embedded Linux OS

Specifications

		DS-6101HFI-IP
Video/Audio input	Video compression	H.264
	Video input	1-ch
	Video input interface	BNC (1.0Vp-p, 75Ω)
	Audio compression	OggVorbis, 16Kbps
	Audio input	1-ch
	Audio input interface	BNC(2Vp-p, 1kΩ)
	Voice talk input	1, RCA 2.0Vp-p, 1kΩ
Video/Audio output	Encode/Decode resolution	4CIF/DCIF/2CIF/CIF/QCIF
	Frame rate	4CIF: 25(P)/30(N) fps
	Stream type	Video/Video&Audio
	Support dual stream	Yes
	Video bit rate	32Kbps ~ 2Mbps, or user-defined (Max. 8Mbps)
	Audio output	1 Channel RCA Linear Electrical Level, 600Ω
External interface	Network interface	1 RJ45 10M/100M adaptive Ethernet interface
	RS-232 Port	1 RJ45 RS-232 Port
	PTZ port	Screw terminal (T+, T-)
	Alarm input	1-ch
	Alarm output	1-ch
General	Power supply	12VDC
	Consumption	≤3W
	Working temperature	-10°C~+55°C
	Working humidity	10%~90%
	Dimension (mm)	120mm(D)x70mm(W)x45mm(H)
	Weight	≤0.5Kg

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DS-6001DI
Decoder Server

Key Features

- High performance DSP hardware compression
- H.264 real-time video compression
- Up to 4CIF decoding output
- Support variable bit rate and frame rate
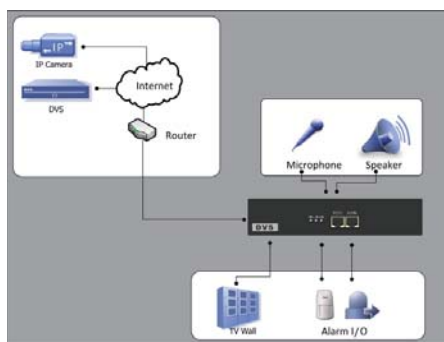
Specifications

		DS-6001DI
Video/Audio input	Video compression	H.264
	Voice talk input	1 RCA linear electrical level, 600Ω
Video/Audio output	Decode resolution	4CIF/DCIF/2CIF/CIF/QCIF
	Video output	1 channel BNC (1.0Vp-p, 75Ω)
	Frame rate	4CIF: 25(P)/30(N) fps
	Stream type	Video/Video&Audio
	Video bit rate	32Kbps ~ 2Mbps, or user-defined (Max. 8Mbps)
	Audio output	1 RCA output
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface 1 RJ45 RS-232 port 1 RJ45 RS-485 port 1 RJ45 for alarm input and output
	Alarm input	2-ch
	Alarm output	2-ch
General	Power supply	12VDC
	Consumption	≤7W
	Working temperature	-10°C~+55°C
	Working humidity	10%~90%
	Dimension (mm)	136mm(D)x235mm(W)x43mm(H)
	Weight	≤2Kg

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DS-6001FI
Encoder & Decoder Server

Key Features

- High performance DSP hardware compression
- H.264 real-time video compression
- Up to 4CIF decoding resolution
- Up to 4CIF encoding resolution
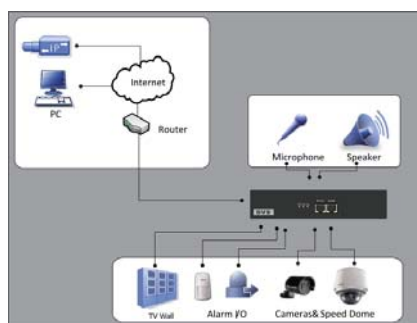
Specifications

		DS-6001FI
Video/Audio input	Video compression	H.264
	Video input	1 channel BNC (1.0Vp-p, 75Ω)
	Voice talk input	1 RCA linear electrical level, 600Ω
Video/Audio output	Decode resolution	4CIF/DCIF/2CIF/CIF/QCIF
	Video output	1 channel BNC (1.0Vp-p, 75Ω)
	Frame rate	4CIF: 25(P)/30(N) fps
	Stream type	Video / Video & Audio
	Video bit rate	32Kbps ~ 2Mbps, or user-defined (Max. 8Mbps)
	Audio output	1 RCA output
External interface	Communication interface	1 RJ45 10M/100M adaptive Ethernet interface 1 RJ45 RS-232 port 1 RJ45 RS-485 port 1 RJ45 for alarm input and output
	Alarm input	2-ch
	Alarm output	2-ch
General	Power supply	12VDC
	Consumption	≤7W
	Working temperature	-10°C~+55°C
	Working humidity	10%~90%
	Dimension (mm)	199mm(W)x122mm(D)x42mm(H)
	Weight	≤2Kg

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DS-1000KI
Network Keyboard

Key Features

- Manage up to 99 DVR units via network
- Support DVR cascading via RS485 bus control mode
- Multi-level keyboard user management
- PTZ control by joystick
- Receive and display DVR alarm information
- 4 alarm outputs

Specifications

		DS-1000KI
External Interface	Communication Interface	1 RJ45 10M/100M UTP Network Port, 1 RJ45 RS-232 Port, 2 RS-485 Port
	Relay Output	4 output
Others	Control Mode	RS-485 Bus Mode (Port A), Network Mode (UTP Port)
	Bus Work Mode	1 Switch for Full-duplex or Halfduplex Selection SW = 00000000 is Full-duplex Mode SW = 11000000 is Half-duplex Mode (Default)
General	Power supply	5VDC / 6A
	Consumption	6W
	Working temperature	-10°C~+55°C
	Working humidity	10%~90%
	Size (mm)	360mm(D)x190mm(W)x55mm(H)
	Weight	2.4Kg

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DS-1002KI
RS-485 Keyboard

Key Features

- Incorporate all DVR front panel functions
- Control DVR and PTZ separately
- Support DVR and keyboard cascading
- 2D joystick

Specifications

		DS-1002KI
External Interface	Communication Interface	RS-485
Others	Control Mode	RS-485 Half-duplex Mode, Baud Rate: 1200 ~ 19200bps
General	LCD Screen	122mmx32mm
	Joystick	2D
	Max. Cable Length	1200m
	Power supply	12VDC
	Working temperature	-10°C~+55°C
	Working humidity	10%~90%
	Size (mm)	300mm(D)x180mm(W)x86mm(H)
	Weight	3.2Kg

DS-1003KI
RS-485 Keyboard

Key Features

- Incorporate all DVR front panel functions
- Control DVR and PTZ separately
- Support DVR and keyboard cascading
- 3D joystick

Specifications

		DS-1003KI
External Interface	Communication Interface	RS-485
Others	Control Mode	RS-485 Half-duplex Mode, Baud Rate: 1200 ~ 19200bps
General	LCD Screen	128mmx64mm
	Joystick	3D
	Max. Cable Length	1200m
	Power supply	12VDC
	Working temperature	-10°C~+55°C
	Working humidity	10%~90%
	Size (mm)	360mm(D)x200mm(W)x108mm(H)
	Weight	3.3Kg

COMPRESSION BOARD
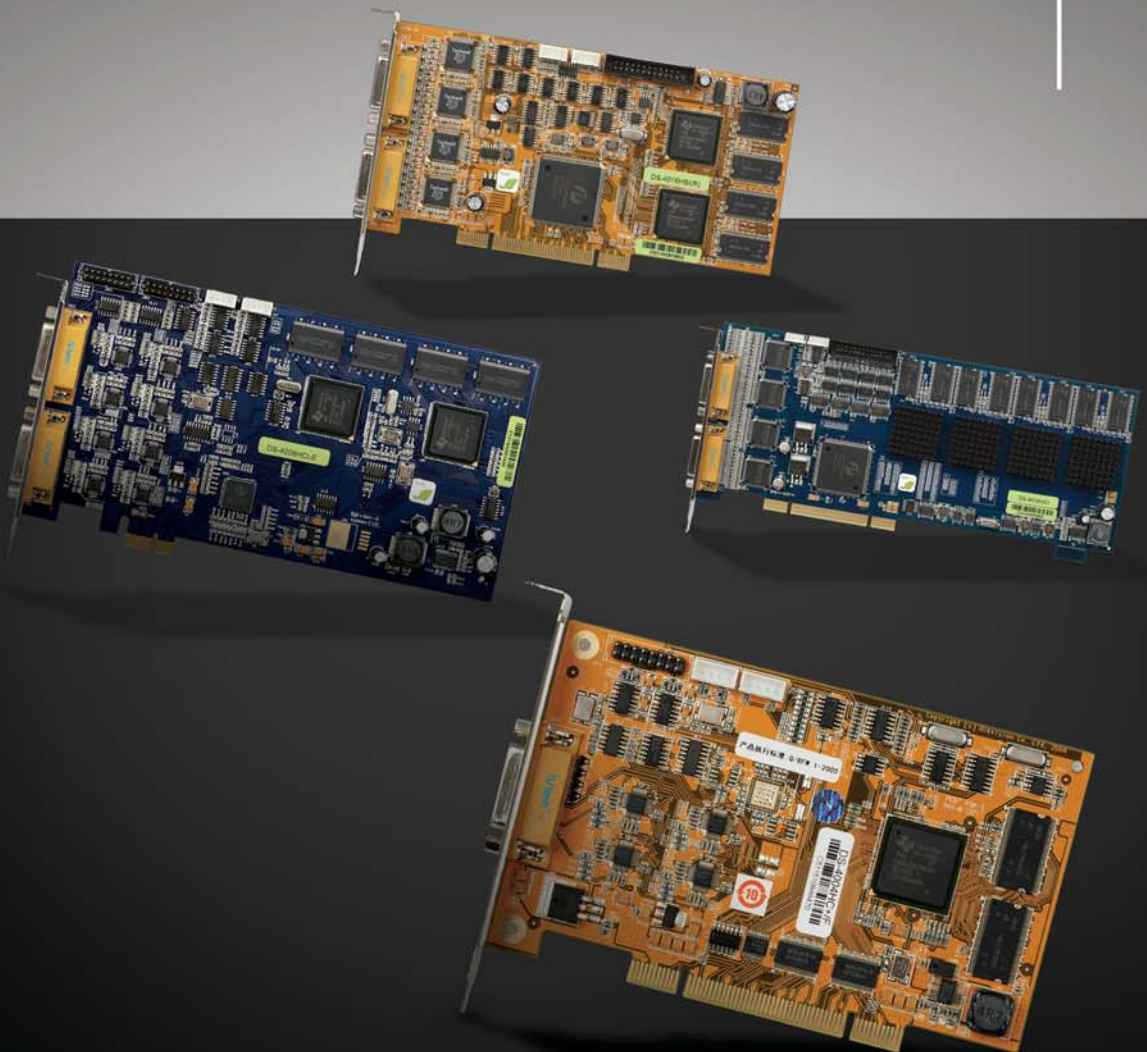
DS-4004/4008/4016HCI
PCI Compression Board

Key Features

- H.264 (MPEG-4/Part 10) real-time video compression
- OggVorbis real-time audio compression
- Up to real-time 4CIF display resolution
- PCI 2.2 standard
- Support Windows 2000/XP/2003/Vista and Linux operating system
- Provide full SDK and demo source code
- Support variable bit rate and frame rate
- Motion detection
- Support OSD, LOGO, and MASK overlay

Specifications

		DS-4004HCI	DS-4008HCI	DS-4016HCI
Video/Audio input	Video compression	H.264		
	Video input	4-ch	8-ch	16-ch
	Video input interface	BNC (1.0Vp-p, 75Ω)		
	Audio compression	OggVorbis, 16Kbps		
	Audio input	4-ch	8-ch	16-ch
	Audio input interface	BNC(2Vp-p, 1kΩ)		
Video/Audio output	Preview resolution	4CIF real time		
	Compression resolution	4-ch CIF/2CIF real time Or 2-ch 4CIF/DCIF real time Or 4-ch DCIF/4CIF not real time	8-ch CIF/2CIF real time Or 4-ch 4CIF/DCIF real time Or 8-ch DCIF/4CIF not real time	16-ch CIF/2CIF real time Or 8-ch 4CIF/DCIF real time Or 16-ch DCIF/4CIF not real time
	VGA Display	4CIF: 25(P)/30(N) fps		
	Video bit rate	32Kbps ~ 2Mbps		
	Stream type	Video/Video&Audio		
	Support dual stream	Yes		
General	Power consumption	< 3.5W	< 7W	< 22W
	Working temperature	-10°C~+50°C		
	Working humidity	10%~90%		
	Size (mm)	155mmx95mm	201mmx109mm	250mmx106mm
System requirements	OS	Windows 2000/XP/Server 2003/Vista, Redhat 9.0, Fedora 3, Fedora 4, Fedora 5		
	CPU	Intel series		
	Motherboard	Based on Intel 845/865/915/925/945 Chipset		
	Memory	256MB or above		
	Display Adapter	NVIDIA GeForce Mx400/440/4000 or above series FX 5200/5600 GeForce 6600 or above series ATI Radeon 7000/7500/8500/9000/9200/9550/9600 or above series ATI X300/X550/X700/X1300/X1600 or above series Intel 845G/865G/915G integrated Graphics Controller		

DS-4008/4016HSI
PCI Compression Board

Key Features

- H.264 (MPEG-4/Part 10) real-time video compression
- OggVorbis real-time audio compression
- Up to real-time 4CIF display resolution
- PCI 2.2 standard
- Support Windows 2000/XP/2003/Vista and Linux operating system
- Provide full SDK and demo source code
- Support variable bit rate and frame rate
- Motion detection
- Support OSD, LOGO, and MASK overlay

Specifications

		DS-4008HSI	DS-4016HSI
Video/Audio input	Video compression	H.264	
	Video input	8-ch	16-ch
	Video input interface	BNC (1.0Vp-p, 75Ω)	
	Audio compression	OggVorbis, 16Kbps	
	Audio input	8-ch	16-ch
	Audio input interface	BNC(2Vp-p, 1kΩ)	
Video/Audio output	Preview resolution	4CIF real time	
	Compression resolution	8-ch CIF real time Or 8-ch 2CIF/DCIF/4CIF not real time	16-ch CIF real time Or 16-ch 2CIF/DCIF/4CIF not real time
	VGA Display	4CIF: 25(P)/30(N) fps	
	Video bit rate	32Kbps ~ 2Mbps	
	Stream type	Video/Video&Audio	
	Support dual stream	Yes	
General	Power consumption	< 4.5W	< 9W
	Working temperature	-10°C~+50°C	
	Working humidity	10%~90%	
	Size (mm)	178mmx99mm	198mmx100mm
System requirements	OS	Windows 2000/XP/Server 2003/Vista, Redhat 9.0, Fedora 3, Fedora 4, Fedora 5	
	CPU	Intel series	
	Motherboard	Based on Intel 845/865/915/925/945 Chipset	
	Memory	256MB or above	
	Display Adapter	NVIDIA GeForce Mx400/440/4000 or above series FX 5200/5600 GeForce 6600 or above series ATI Radeon 7000/7500/8500/9000/9200/9550/9600 or above series ATI X300/X550/X700/X1300/X1600 or above series Intel 845G/865G/915G integrated Graphics Controller	

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DS-4216HCI
Compression Board

Key Features

- Adopts high-efficiency video processing chips
- Extra-low power consumption and high stability
- Standard H.264 video codec
- Real-time audio/video capturing and encoding
- Support multiple cards plugged in PC (support up to 40ch cameras input for 1 PC)
- Built-in motion detect
- Support OSD, LOGO and mask area settings

Specifications

		DS-4216HCI
Video/Audio input	Video compression	H.264(MPEG-4/part10)
	Video input	16-ch
	Video input interface	BNC (1.0Vp-p, 75Ω)
	Audio compression	OggVorbis
	Audio input	16ch, mono
	Audio input interface	BNC (2Vp-p, 1kΩ, volume adjust range: 83DB)
Video/Audio output	Preview resolution	4CIF
	Compression resolution	CIF/QCIF/2CIF/4CIF
	VGA Display	1/16~25 F/S(PAL), 1/16~30 F/S(NTSC)
	Video bit rate	32k ~2M (CIF), 32k ~4M (4CIF) (Unit:bps)
	Sampling Rate	8KHz
	Audio Recording Bit Rate	64kbps
General	PCI Standard	PCI 2.2
	Power consumption	< 8.5W
	Working temperature	-10°C~+50°C
	Working humidity	10%~90%
	Dimension (mm)	162mmx101mm

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DS-4208/4216HFVI
Compression Board

DS-4208HFVI

DS-4216HFVI

Key Features

- Adopts high-efficiency video processing chips
- Extra-low power consumption and high stability
- Standard H.264 video codec
- Real-time audio/video capturing and encoding
- Support multiple cards plugged in PC (support up to 40ch cameras input for 1 PC)
- Built-in motion detect
- Support OSD, LOGO and mask area settings

Specifications

		DS-4208HFVI	DS-4216HFVI
Video/Audio input	Video compression	H.264(MPEG-4/part10)	
	Video input	8-ch	16-ch
	Video input interface	BNC (1.0Vp-p, 75Ω)	
	Audio compression	OggVorbis	
	Audio input	8ch, mono	16ch, mono
	Audio input interface	BNC (2Vp-p, 1kΩ, volume adjust range: 83DB)	
Video/Audio output	Preview resolution	4CIF	
	Compression resolution	4CIF/2CIF/CIF /QCIF	
	Video output	1 channel BNC video output	
	VGA Display	1/16~25 F/S(PAL), 1/16~30 F/S(NTSC)	
	Video bit rate	32k ~2M (CIF), 32k ~4M (4CIF) (Unit:bps)	
	Sampling Rate	8KHz	
	Audio Recording Bit Rate	64kbps	
General	PCI Standard	PCI 2.2	
	Power consumption	< 7W	< 14W
	Working temperature	-10°C~+50°C	
	Working humidity	10%~90%	
	Dimension (mm)	162mmx101mm	213mmx101mm

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DS-4002/4004MDI
PCI Matrix Decode Board
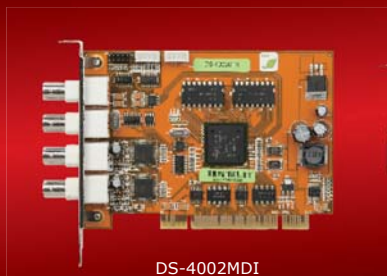
DS-4002MDI

DS-4004MDI
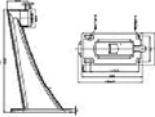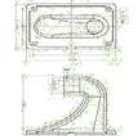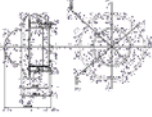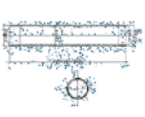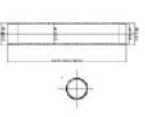
Key Features

- 4-ch CIF/2CIF real time decoding, or 2-ch 4CIF real time decoding, or 1-ch 4CIF with 3-ch CIF real time decoding
- 2-ch audio and video outputs
- Up to 16 multiplex windows
- Video output resolution up to 4CIF+2xQCIF
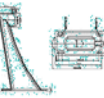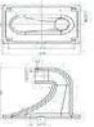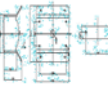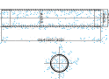
Specifications

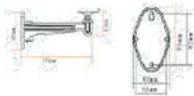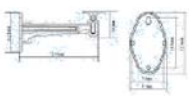|		DS-4002MDI	DS-4004MDI
Video/Audio output	Video output	2-ch	4-ch
	Video output interface	BNC (1.0Vp-p, 75Ω)	
	Decoding resolution	4CIF/DCIF/2CIF/CIF/QCIF	
	Audio output	2-ch	4-ch
	Audio output interface	BNC, Linear output, 600Ω	
	Audio decoding	4-ch	8-ch
General	Power consumption	< 3.5W	< 7.5W
	Working temperature	-10°C~+50°C	
	Working humidity	10%~90%	
	Size (mm)	133mmx96mm	158mmx108mm
System requirements	OS	Windows 2000/XP/Server 2003/Vista, Redhat 9.0, Fedora 3, Fedora 4, Fedora 5	
	CPU	Intel series	
	Motherboard	Based on Intel 845/865/915/925/945 Chipset	
	Memory	256MB or above	
	Display Adapter	NVIDIA GeForce Mx400/440/4000 or above series FX 5200/5600 GeForce 6600 or above series ATI Radeon 7000/7500/8500/9000/9200/9550/9600 or above series ATI X300/X550/X700/X1300/X1600 or above series Intel 845G/865G/915G integrated Graphics Controller	

4" Speed Dome Bracket

Model					
	DS-1611ZJ (Silver)	DS-1612ZJ (Silver)	DS-1671ZJ	DS-1651ZJ (Silver)	DS-1652ZJ (Silver)
Key Features	Indoor Wall Mount	Indoor Wall Mount	Indoor Ceiling Embedded Mount	30cm, Indoor Pendant Mount	50cm, Indoor Pendant Mount
Dimension (mm)	347 × 100 × 192	183 × 141 × 192	4 inch	120 × 120 × 332	120 × 120 × 532

6" Speed Dome Bracket

Model							
	DS-1611ZJ (White)	DS-1612ZJ (White)	DS-1632ZJ (White)	DS-1651ZJ (White)	DS-1652ZJ (White)	DS-1621ZJ (White)	DS-1642ZJ (White)
Key Features	Outdoor Wall Mount	Outdoor Wall Mount	Outdoor Corner Mount Bracket	30cm, Outdoor Pendant Mount	50cm, Outdoor Pendant Mount	Outdoor Pole Mount	30cm, Outdoor Ceiling Mount Bracket
Dimension (mm)	347 × 100 × 192	183 × 141 × 192	456 × 170 × 202	120 × 120 × 332	120 × 120 × 532	393 × 120 × 202	120 × 120 × 40

Camera Bracket

Model				
	DS-1201ZJ	DS-1204ZJ	DS-1209ZJ	DS-1210ZJ
Key Features	Suitable for box camera, expect Infrared camera, Ceiling Mount	Suitable for box camera, Suggest laying on the desk	Suitable for box camera , expect Infrared camera, Ceiling Mount	Suitable for box camera, expect Infrared camera, Ceiling Mount
Dimension (mm)	80×171		97 × 232	97 × 312

Model		
	DS-1212ZJ	DS-1213ZJ
Key Features	Suitable for box camera and indoor housing, Wall Mount	Suitable for box camera, indoor and outdoor housing, Wall Mount
Dimension (mm)	170 × 95 × 63	280 × 124 × 80

Lens

Model										
	EVD0216F	EVD0416F	EVD0816F	RV0550D.IR	EVD0358V	RV03509D	TG2Z3514 FCS-2	T2Z3514 CS-2	TG10Z0513 FCS-2	EV04510MC .HR
Key Features	Fixed IRIS Fixed Focus Lens	Fixed IRIS Fixed Focus Lens	Fixed IRIS Fixed Focus Lens	Auto IRIS Manual Vari-focal	Manual Iris Manual Vari-focus Lens	Auto Iris Manual Vari-focus Lens	Auto Iris Manual Vari-focus Lens	Manual Iris Manual Vari-focus Lens	Auto Iris Manual Vari-focus Lens	Megapixel Manual Iris Lens
Focal Length	2.1	4	8	5-50	3.5-8	3.5-9	3.5-8	3.5-8	5-50	6
Aperture Range	1.6	1.6	1.6	F1.4	1.4	1.2-360	1.4-C	1.4-C	1.3-C	1.6-C
Lens Mount	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS
Sensor Dimension	1/3"	1/3"	1/3"	1/3"	1/3"	1/3"	1/3"	1/3"	1/3"	1/3"
Horizontal View Angle	170	70.6	33.4	49-5.4	106-43.2	80-36	77.6-35.4	77.6-35.4	5.6-51.8	48.1
Minimum Distance (m)	0.2	0.1	0.1	0.5	0.1	0.2	0.4	0.4	0.8	0.1
Dimension(mm)	Φ30×20.7	Φ30×19.4	Φ30×27.2	Φ35.4×65.7	Φ33×44	Φ33×37	Φ33.5×42.6	Φ33.5×42.6	Φ41.7×57.5	Φ30×23.5
Weight(g)	55	55	60	118	105	90	48	38	140	55
Place of Use	Indoor wide-angle	Indoor	Indoor	Outdoor	Indoor	Outdoor	Within 15 meters	Within 15 meters	Within 80 meters	Within 20 meters

Model							
	EV0612MC .HR	YV3.3*15 SA-2	YV4.3*2.8 SA-2	EV0922DC .HR	YV3.3×15 SA-SA2L	YV4.3×2.8 SA-SA2L	EV04510DC .HR
Key Features	Megapixel Manual Iris Lens	Megapixel Manual Iris Lens	Megapixel Manual Iris Lens	Megapixel Auto Iris Lens	Megapixel Auto Iris Lens	Megapixel Auto Iris Lens	Megapixel Auto Iris Lens
Focal Length (mm)	6-12	15-50	2.8-12	9-22	15-50	2.8-12	4.5-10
Aperture Range	1.6-360	1.5	1.4	2.0-C	1.5-C	1.4-C	1.6-C
Lens Mount	C	CS	CS	C	CS	CS	C
Sensor Dimension	1/2"	1/3"	1/3"	1/2"	1/3"	1/3"	1/2"
Horizontal View Angle	53-28	18-13	100-74	41-17	18-13	100-74	80.8-60.6
Minimum Distance (m)	0.3	0.8	0.3	0.3	0.8	0.3	0.2
Dimension(mm)	Φ32×44.8	Φ37.5×64	Φ46×67	Φ29×38.9	Φ37.5×64	Φ46×67	Φ32×45
Weight(g)	72	60	60	72	60	60	86
Place of Use	Within 30 meters Megapixel lens	Within 80 meters Megapixel lens	Within 30 meters Megapixel lens	Within 40 meters Megapixel lens	Within 100 meters Megapixel lens	Within 30 meters Megapixel lens	Within 20 meters Megapixel lens

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Camera Housing

Model	DS-1301HZ	DS-1302HZ	DS-1303HZ	DS-1304HZ
Key Features		Easy Installation; High Reliability		Weatherproof: IP66 Working temperature: -35° to 65° Has heater and fan inside the housing
Dimension (mm)	Outdoor 397 × 137.5 × 100	Outdoor 392 × 143 × 105	Indoor 311.33 × 102.5 × 104.5	Outdoor 400 × 136 × 104

Camera Power

Model	BSW0127-1210002(3C)	BSW0127-1210002	BSW0127-1210002	BSW0127-1210002
Power Supply	DC12V/1A	DC12V/1A	DC12V/1A	DC12V/1A
Key Features	China 2-Pin	British 3-Pin	North American 2-Pin	European 2-Pin