



AN EXPERT ON TRANSPORT SECURITY SMART TRANSPORT SOLUTION

 smart solution **2.0**

WITH HIKVISION AS YOUR INTEGRATION PARTNER, YOU WILL STAND ON A SOLID FOUNDATION.

RAPID GROWTH

Hikvision is the world's leading supplier of video surveillance products and solutions, featuring the industry's strongest R&D workforce and state-of-the-art manufacturing facilities. In just 15 years, Hikvision has developed from being a single-product provider to a complete product and solution provider and a global market leader.

GLOBAL REACH

- 25 Regional Subsidiaries
- 57% of Employees in International Business Center are locals



BROAD PORTFOLIO

Hikvision's success stories extend over a number of vertical markets. Each year, we add new successes to our list. Still a relatively young company, we continually conquer new applications, building excellence and intelligence into all we do.

Our successful vertical market applications around the world include:

- Smart buildings
- City surveillance
- Parking facilities
- Banking and finance
- Critical infrastructure
- Hotels, casinos, and resorts
- Retail centers and warehouses
- Police, military, and mobile law enforcement
- Education, transportation, healthcare – and more!



FUTURE INNOVATION

Hikvision re-invests upwards of 7% of annual revenue into R&D. We hold over 600 copyrights (100+ increase from 2016) and 1,300 patents (400+ increase from 2016). Of our 20,000 employees, we employ over 8,000 engineers, of which over 2,000 are software engineers.

Hikvision's Research Institute conducts innovative research and development to keep us at the forefront of technology.

- Research topics: Perceptive Technology, Intelligent Analysis Technology, Big Data and Cloud Storage Technology, and Multimedia Technology.
- The largest R&D team in Artificial Intelligence in the security industry.
- Sophisticated experience of video target detection, image segmentation, video structuring and video retrieval.
- Ranked No.1 in Scene Classification at ImageNet 2016 challenge and ranked top in the MOT Challenge Evaluation.

STRONG NAME

Hikvision continues to build close partnerships with distributors, system integrators and installers, as well as third-party technology partners. Today, Hikvision has over 350 technology partners globally.

ECOSYSTEM PARTNER PROGRAM WE SUPPORT YOU ALL THE WAY!

When joining this partner program, you will enjoy access to a wealth of technical and commercial resources, and we ensure that your solution enjoys strategic marketing through our communication channels. You will also get instant access to our entire sales organization. A vital part of our program is the streamlined online communication with our technical teams as well as the tools to plan the go-to-market activities.

PROGRAM TOOLS AND BENEFITS

- **ISAPI** – Hikvision unifies the Application Programming Interface for all products
- **HEOP** – The Hikvision Embedded Open Platform enables you to download and run your applications directly in the cameras
- **Device Simulator** – Simulate communication protocols for testing and development
- **Integration Checker Tool** – Test your applications against the online integration checker tool
- **H-Certification** – Certify your integration/application as proof of compatibility

SUPPORT

- SDK Training
- Integration Support
- Access to Integration Resources

SALES & MARKETING

- Dedicated Business Development Planning
- Networking Opportunities with the Hikvision Salesforce
- Co-marketing and Event Opportunities



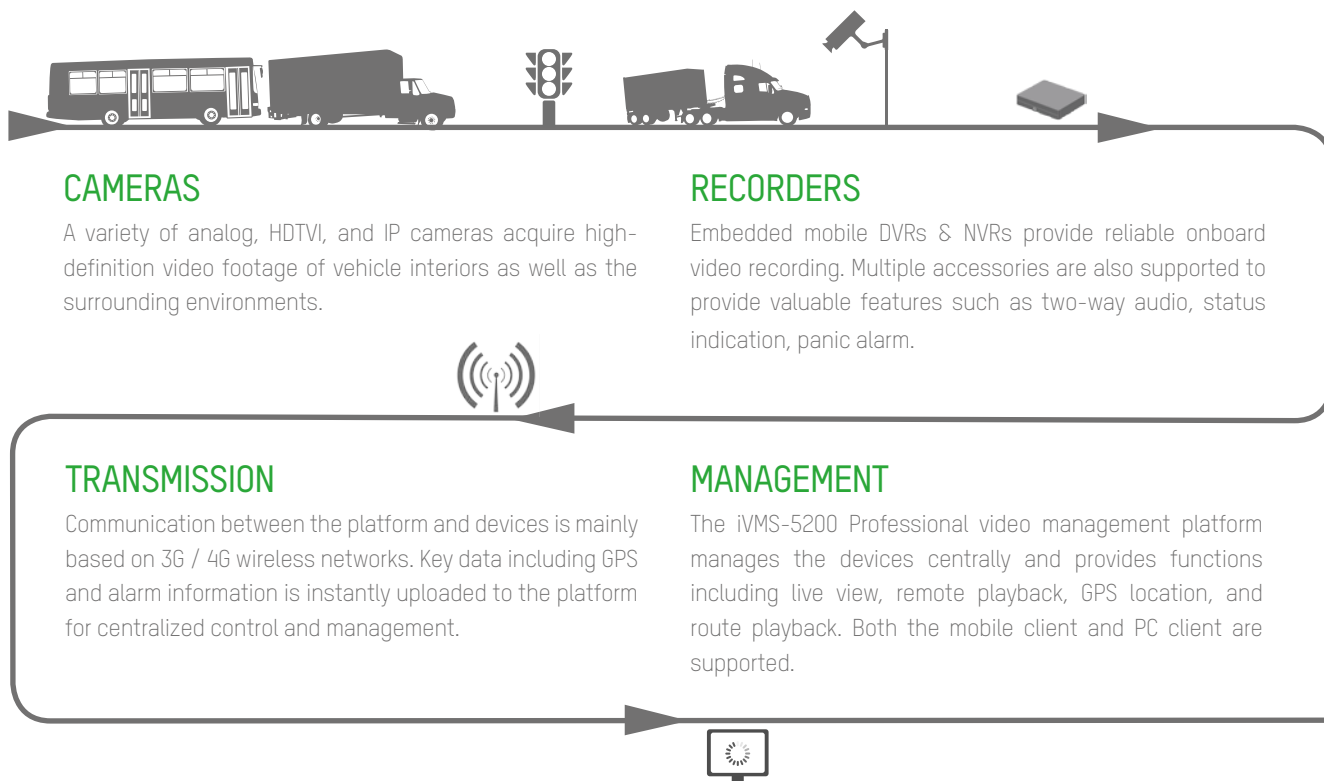


HIKVISION SMART TRANSPORT SOLUTION

Main Concerns: Public safety awareness facing rising attacks, legal liability caused by traffic accidents

Hikvision Highlights:

- Rich experiences – more than 15 years in video surveillance for transport safety and vehicle tracking
- Comprehensive product line – sticking on HD high quality video, by offering from HD over coax to IP
- Response to special request – having the largest R&D resources in CCTV industry, we are able to take on complicated customization to meet special project requirements



HD-TVI

HIGH DEFINITION TRANSPORT VIDEO INTERFACE

This new technology allows users to send uncompressed and high resolution video over traditional coaxial cable without any need to change all the existent cables for HD transition.



HD ANALOG

Up to 1080P	Low latency	Bi-directional signaling
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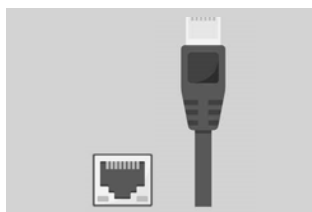
SOLIDIFIED DESIGN

All mobile dedicated products are specially designed to make them suitable for transport harsh environment. It is also a must that all products are vibration-resistant conformant such as EN50155.



CONNECTION OFFERING

Mobile cameras and recorders have the choice between M12 aviation connector and RJ45 standard connection, to meet different kind of requirements.



120dB TRUE WDR

Hikvision's latest IP cameras feature 120dB true WDR (Wide Dynamic Range) to see clearly out-vehicle as well as in-vehicle.



WDR



no WDR

MOBILE HD VIDEO MONITORING

Comprehensive high-definition video monitoring helps authorities to deal with situations such as pickpocketing, traffic accidents, terrorism, disorderly behavior of passengers and drivers, and more. Pictures and videos can be exported to law enforcement for investigation.

Dedicated Side-view camera and on-board recorder with LCD monitor offer side view to prevent dead-angle on backing a vehicle.



Monitoring traffic outside of the vehicle



Camera 01

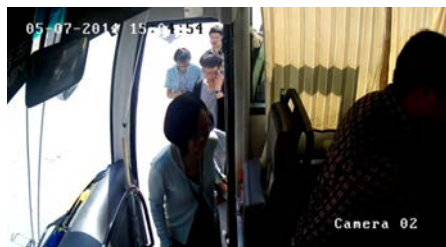
Supervising driver's behavior



Camera 02



Monitoring entrance with intrusion detection



Camera 02



Viewing vehicle passengers from different angles



Camera 02



RICH MOBILE-DEDICATED PRODUCTS TO SATISFY EVERY TRANSPORT REQUIREMENT



Up to 1920x1080 resolution with mobile IP products

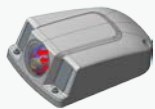
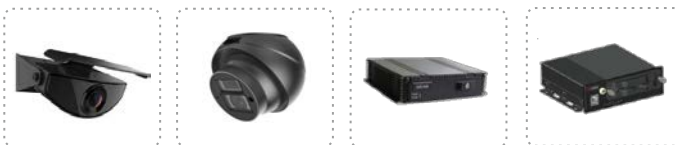
HDTVI



NETWORK



ANALOG



All Weather Conditions

Special heating & fan modules for outer-vehicle cameras and mobile recorder operate in all weather conditions.



Reliable Transmission

An intelligent algorithm adjusts the live stream bitrate automatically according to network conditions.



High-Reliability Storage

Featuring fully enclosed with dual-protected HDD and patented aviation airbag, reinforced camera materials with silicone pad for shock absorption (Standard MIL-STD-810G), and support for multiple, specialized connectors for vehicles or rail transport.

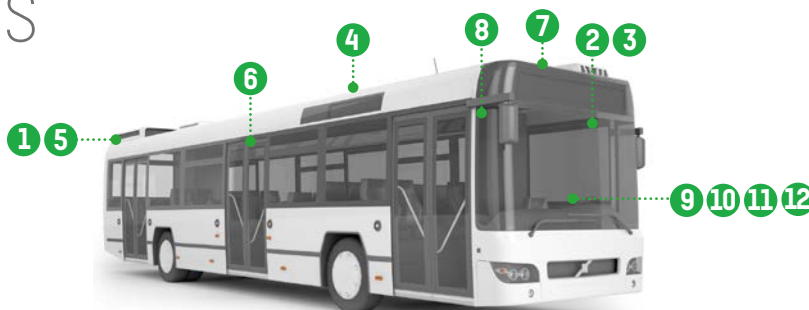


Power Protection

A wide range of power supplies support the main board of Hikvision's mobile video recorder - from 9 to 32V with short-circuit protection (ISO 7637-2:2011). Mobile video recorder uses high volume capacitors, powering the recorder for 5 - 7 seconds after being turned off so the recorder has enough time to write video to the HDD in an emergency.

SAFETY RECOMMENDATIONS BUS

This solution provides high-definition surveillance for buses.



Cameras



1 AE-VC151T-IT
IP68, rear view monitoring



2 3 4 5 6 7
AE-VC122T-ITS
2 Front view camera
3 4 5 Interior camera
6 Rear door camera
7 Driver & front view camera
8 AE-VC122T-IT
IP68, outdoor view camera

Mobile Video Recorder



9 DS-MP7508
8-Channel 1080p HD-TVI mobile surveillance DVR; Standard 1.5 DIN Dimensions; 5.8G WiFi



10 DS-1530HMI
MVR status indicator; Manual alarm button; G-sensor alarm;

Intercom Box



11 DS-1350HMI
Full duplex, two way audio between platform & mobile DVR

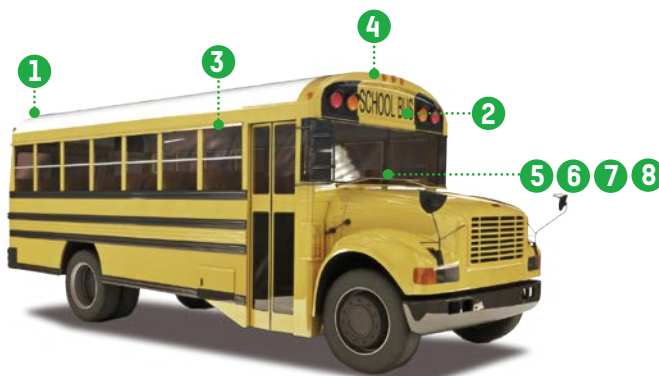
LCD Screen



12 DS-MP1301
7" TFT-LCD display
Support AV OUT direct connection

SCHOOL BUS

This solution provides high-definition surveillance for school buses.



Cameras



1 DS-2XM6522WD-I
IP68, wedge-shaped camera for rear view monitoring



2 3 4 DS-2XM6122FWD-I
Mini dome camera with built-in MIC for audio & video monitoring
2 Front view camera
3 Entry door camera
4 Vehicle interior camera

Mobile Video Recorder



5 DS-M5504HNI
4-Channel 1080p HD mobile surveillance NVR; Standard 1 DIN Dimensions



6 DS-1530HMI
MVR status indicator; Manual alarm button; G-sensor alarm;

Intercom Box



7 DS-1350HMI
Full duplex, two way audio between platform & mobile DVR

LCD SCREEN



8 DS-MP1301
7" TFT-LCD display
Support AV OUT direct connection

POLICE VEHICLE

PRE-INSTALLED LAW ENFORCEMENT SYSTEM

These recommendation offer a wide range of applications for police vehicles. This enforcement system is an all-in-one kit including PTZ positioners, recorders, manual controllers, and monitors. It can be pre-installed on police vehicles and used in various forms of law enforcement, such as border patrol.



1 LCD Monitors & Manual Controllers

Display images, including live view, playback and menu; Push-button controls for setup and configuring parameters



2 PTZ Positioner

Option 1: DS-TCC115-IT/30/T: HD720p resolution, 23x optical zoom, M12 aviation connector, up to 100 m IR range, wiper, IP66

Option 2: DS-TCC215-IT/23/T: HD1080p resolution, 30x optical zoom, M12 aviation connector, up to 100 m IR range, wiper, IP66



3 Mobile Video Recorder

Option 1: DS-MI7504-GA
4-Channel 720p HD-TVI video input, 3G/4G module, built-in GPS sensor

Option 2: DS-MI7502-GA
2-Channel 1080p HD-TVI video input, 3G/4G module, built-in GPS sensor



Panic Button

7 DS-1530HMI
MVR status indicator; Manual alarm button; G-sensor alarm;



Intercom Box

8 DS-1350HMI
Full duplex, two way audio between platform & mobile DVR



4 AE-VC022P(N)-IT

720p HD-TVI indoor camera with built-in mic monitors video & audio of the driving cab



5 AE-VC051P(N)-IT

Water-proof and wide angle rear view camera records the scene behind the lorry or cargo vehicle

Option 2:

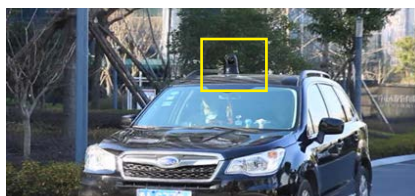
6 AE-VC211T-IRS

1080p HD-TVI indoor camera with built-in MIC, to monitor video & audio of the driving cab



EASY LAW ENFORCEMENT SYSTEM

These recommendations are designed for applications in temporary surveillance monitoring. The portable PTZ is an "easy" enforcement system, featuring quick deployment. It can be attached on the roof of a car with its magnetic base, or secured on a tripod. What's more, it is battery-powered, so it does not require power cables. Authorities will enjoy wide use in emergency monitoring and temporary construction surveillance, and more.



1 DS-MH6171I Portable PTZ

- 2 MP CMOS, H.264, 30x optical zoom
- 2 SD cards, up to 128 GB for each card
- Supports 3G/4G, Wi-Fi, GPS,
- Up to 80 m IR range
- 11,000 mAH replaceable battery, 6-hours of continuous operation



2 DS-MH1691I-H Tripod

- 380 – 1,540 mm
- Three-section telescopic boom



LORRY

This solution provides 4-ch standard definition video monitoring for Lorries.



Cameras

- 1 AE-VC052P(N)-S**
Front-facing camera (on windshield) monitors the front view of the vehicle
- 2 AE-VC022P(N)-ITS**
Indoor camera with built-in mic monitors the cab interior (installed on the inside ceiling)
- 3 AE-VC031P(N)**
Outdoor camera for the right side of the vehicle, with IP68 housing and wide view angle (installed on the outside top-right corner)

- 4 AE-VC051P(N)-IT**
Rear view camera with water-proof and the wide angle, records the scene behind the lorry. (Installed on the outside)

Mobile Video Recorder

- 5 DS-M5504HMI**
4-Channel standard definition mobile surveillance DVR; Standard 1 DIN dimensions suits a lorry's limited installation space.

- 6 Panic Button DS-1530HMI**
MVR status indicator; Manual alarm button; G-sensor alarm;
- 7 Intercom Box DS-1350HMI**
Full duplex, two way audio between platform & mobile DVR
- 8 LCD Screen DS-MP1301**
7" TFT-LCD display Support AV OUT direct connection

TAXI

Specially designed small mounting base cameras and 1 DIN DVRs are perfectly suited for the limited installation space of a taxi.



Mobile Video Recorder

- 1 DS-M5504HMI-SD**
4-Channel standard definition mobile surveillance DVR; Standard 1 DIN Dimensions LCD Screen; 2x SD / SDHC / SDXC card slot
- 2 DS-MP1301**
7" TFT-LCD display Support AV OUT direct connection

Cameras

- 3 AE-VC052P(N)-S**
Front view camera (on windshield)
- 4 AE-VC012P(N)-ITS**
Mini dome camera for driver & front row seat monitoring (installed on A-post)
- 5 6 AE-VC023P(N)-ITS**
5 Installed on taxi ceiling, monitors the rear row seat
6 Installed in the trunk

Panic Button

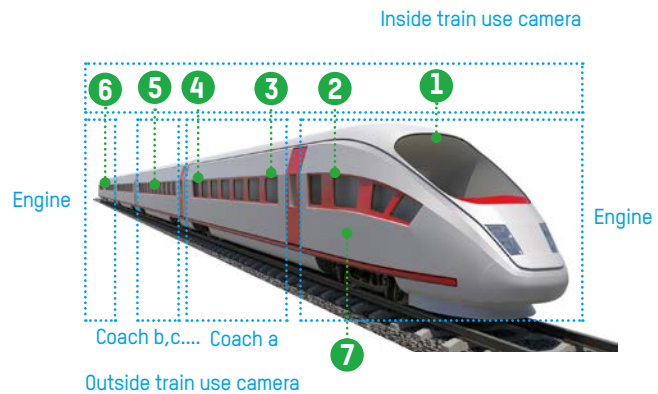
- 7 DS-1530HMI**
MVR status indicator; Manual alarm button; G-sensor alarm;

INTERCOM BOX

- 8 DS-1350HMI**
Full duplex, two way audio between platform & mobile DVR

RAIL TRANSIT

- 2 16-channel mobile NVR are recommended to be installed in the two engine units separately, and cameras are installed in every coach unit and all of cameras are connected to the mobile NVR .
- 4-channel mobile NVR and cameras are installed in every coach unit or engine unit separately and all of the devices are managed by iVMS software.



Cameras



2 3 4 5 6

DS-2CD6520DT-I(O)

Mini Dome camera for carriage monitoring



7

DS-2XM6522WD-I(M)

IP68, wedge-shaped camera for external monitoring;

Mobile Video Recorder



1

DS-MP3516-RS

16-ch 1080P, 6 HDD Recorder specialized for Train



Note: In most train solution, the network interfaces of NVR& IPC should be M12.

CAR ELECTRONICS

Vehicle-mounted comprehensive safety system has features such as dead-zone detection, early warning systems, an intelligent rear mirror, and more. Such vehicle-mounted information terminal provides helpful insight for drivers.



Dashcam Bullet

AE-DN2016-F1

- 1080p, 156° Field of view
- Built-in mic & speaker
- GPS, Wi-Fi, Wi-Fi app
- G-sensor supports video recording linkage during collisions or strong vibration (over-write protection configurable)



Dashcam Cube

AEDN2223-C2

- 1 1080P full HD main camera, wide field angle up to 148°(diagonal)
 - 1 TVI/CVBS second camera optional (IR and water-proof optional)
 - Support built-in MIC and speaker for audio in and out
 - GPS module optional and longitude ,latitude and speed overlay on picture
 - 4G module optional; Built-in WIFI module and WIFI AP function supported
- Built-in G-Sensor module



APPLICATION REFERENCE



Dubai-Sharjah-Ajman's National Charity School Project, UAE

100 school buses for the Dubai-Sharjah-Ajman's National Charity School are equipped with Hikvision CCTV cameras, DVRs, driver LCD screens. This convenient solution ensures the protection of all pupils and works perfectly in harsh and challenging environments that may include vibration, dust, changing temperatures — and children, as noted by customers!



Bangkok's Police Force Project, Thailand

Hikvision's mobile security solution helps Bangkok's police force stay ahead of the curve. Hikvision's Portable Video Recorder and Mobile DVR have been placed in squad cars and motorcycle units to achieve a wide array of security benefits for the Thai police force and the larger communities in which they serve.



Ningbo City Bus Mobile Surveillance Project, China

This installation includes more than 3,600 buses belonging to 14 transportation companies in Ningbo. The Hikvision mobile surveillance solution helps customers solve security problems on their cars, protect their assets, and safeguard passengers and drivers. It can also provide video evidence to security officials for investigation purposes.



Frankfurt's Light-Rail Stations, Germany

Hikvision megapixel mini dome cameras were installed within support columns as well as next to the emergency button. This action immediately triggers the camera and sends the image in real-time to the control center, thereby alerting security personnel about the situation.













Supervia Stations Surveillance System, Brazil

Hikvision megapixel dome cameras were installed on train corridor ceilings to provide a clear and vivid view of the thousands of passengers who use this station. The compact design of this camera results in a less visible presence, thereby reducing the possibility of vandalism — either accidental or intentional.

PRODUCT QUICK SELECTION CHART

Mobile Recorders	Category	Channel	Hybrid	Max. Resolution per Channel	Support Storage	GPS	Wi-Fi	3G	4G	Connector
DS-MP3516-RS (/GW)	IP	16 channels	N/A	2MP	6 x HDD/ SSDs	Supported	Optional	Optional	N/A	1 x RJ45 & 1 x M12
DS-M7508HNI(/ GW/WI)	IP	8 channels	N/A	2MP	2 x HDD/ SSDs	Supported	Optional	Optional	Optional	8 x RJ45
DS-M5504HNI (/GW/WI)	IP	4 channels	N/A	2MP	2 x HDD/ SSDs + 1 x SD	Supported	Optional	Optional	Optional	4 x RJ45 or 4 M12
DS-MP7508(/ GW/WI)	HD-TVI	8 channels	Coming soon in Jun	2MP	2 x HDD/ SSDs + 1 x SD	Supported	Optional	Optional	Optional	8 x Aviation plugs
DS-MP7504(/ GW/WI)	HD-TVI	4 channels	Supports 1-ch IP	1MP	2 x HDD/ SSDs + 1 x SD	Supported	Optional	Optional	Optional	4 x Aviation plugs
DS-M5504HMI	Analog	4 channels	--	WD1	1 x HDD/ SSD + 1 x SD	Supported	Optional	Optional	Optional	4 x Aviation plugs
DS-M5504HMI-SD	Analog	4 channels	--	D1	2 x SD cards	Supported	Optional	Optional	Optional	4 x Aviation plugs

On-board Network Cameras	Resolution	IR	On-board Storage	Audio	WDR	Weather-resistance	Protection	Connector
 DS-2XM6112FWD-I (M)	1.3 MP	Max. 10 m	Supported	Built-in Mic	N/A	IP66	IK08	M12 / RJ45 Optional
DS-2XM6122FWD-I (M)	2 MP	Max. 10 m	Supported	Built-in Mic	N/A	IP66	IK08	M12 / RJ45 Optional
 DS-2CD6512DT-I(O)	1.3 MP	Max. 10 m	Supported	I/O	N/A	IP54	IK08	M12 / RJ45 Optional
DS-2CD6522DT-I(O)	2 MP	Max. 10 m	Supported	I/O	N/A	IP54	IK08	M12 / RJ45 Optional
 DS-2CD6512-I(O)	1.3 MP	Max. 30 m	N/A	N/A	N/A	IP68	IK10	M12 / RJ45 Optional
DS-2CD6522-I(O)	2 MP	Max. 30 m	N/A	N/A	N/A	IP68	IK10	M12 / RJ45 Optional
 DS-2XM6612FWD-I	1.3 MP	Max. 3m	Supported	Built-in Mic	120 dB WDR	N/A	N/A	RJ45
DS-2XM6622FWD-I	2 MP	Max. 3m	Supported	Built-in Mic	120 dB WDR	N/A	N/A	RJ45
 DS-2XM6512WD-I(M)	1.3 MP	Max. 30 m	N/A	N/A	120 dB WDR	IP68	IK10	M12 / RJ45 Optional
DS-2XM6522WD-I(M)	2 MP	Max. 30 m	N/A	N/A	120 dB WDR	IP68	IK10	M12 / RJ45 Optional

On-board Analog Camera		Resolution	IR	Audio	WDR	Weather-resistant	Connector
	AE-VC122T-IT	HD 720p	Max. 20 m	Built-in Mic	N/A	IP65	Aviation connector
	AE-VC122T-ITS	HD 720p	Max. 20 m	N/A	N/A	IP68	Aviation connector
	AE-VC022P(N)-IT	720TVL	Max. 20 m	N/A	N/A	IP65	Aviation connector
	AE-VC022P(N)-ITS	720TVL	Max. 20 m	N/A	N/A	IP68	Aviation connector
	AE-VC151T-IT	HD 720p	Max. 20 m	N/A	N/A	IP68	Aviation connector
	AE-VC051P(N)-IT	720TVL					
	AE-VC152T-S	HD 720p	N/A	Built-in Mic	N/A	IP4X	Aviation connector
	AE-VC052P(N)-S	720TVL					
	AE-VC123T-ITS	HD 720p	Max. 3 m	Built-in Mic	N/A	IP4X	Aviation connector
	AE-VC023P(N)-ITS	720TVL					
	AE-VC112T-ITS	HD 720p	Max. 3 m	Built-in Mic	N/A	IP4X	Aviation connector
	AE-VC012P(N)-ITS	720TVL					
	AE-VC161T-ITS	HD 720p	Max. 3 m	Built-in Mic	N/A	IP4X	Aviation connector
	AE-VC161T-ITS	720TVL					
	AE-VC211T-IRS	FULL HD1080P	Max. 10 m	Built-in Mic	120 dB WDR	N/A	Aviation connector

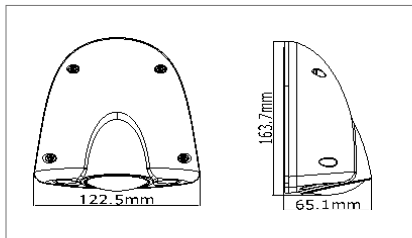
* All the HD Analog models have 720TVL traditional analog-equivalent models available.



Key Features

- Up to 1.3 / 2.0 megapixel high resolution
- 1280 × 960 / 1920 × 1080 @30fps video
- Three video streams
- 4mm/6mm/8mm/12mm fixed lens
- 120dB Wide Dynamic Range
- 3D Digital Noise Reduction
- 3-axis adjustment
- DC12V & PoE (802.3af)
- IR range up to 10 m
- IP68 weather-proof protection
- IK10 vandal-resistant protection
- M12 aviation plug (optional)
- Multiple smart events supported

Dimension (unit: mm)



Order Models

DS-2XM6512WD-I
DS-2XM6512WD-IM
DS-2XM6522WD-I
DS-2XM6522WD-IM

DS-2XM6512/6522WD-I(M)

1.3/2MP Weather and Vandal Resistant Mobile Camera

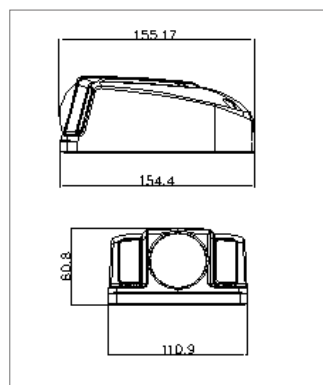
	DS-2XM6512WD-I(M)	DS-2XM6522WD-I(M)
Camera		
Image Sensor	1/2.7" Progressive Scan CMOS	
Min. Illumination	0.01Lux @ (F1.2, AGC ON), 0 Lux with IR	
Shutter Speed	1/3 s to 1/100,000 s, support auto electronic shutter	
Slow Shutter	Support	
Lens	6 mm, horizontal field of view 53.9° [4 mm (90°), 8 mm (37.9°), 12 mm (24.3°), optional]	
Lens Mount	M12	
Day & Night	IR cut filter	
DNR	3D DNR	
Wide Dynamic Range	120dB	
3-Axis Adjustment	Pan: -15° to 15°, tilt: 0° to 30°, rotate: -90° to 90°	
Compression Standard		
Video Compression	Main stream: H.264 Sub stream: H.264/MJPEG Third stream: H.264	
H.264 Type	Baseline Profile/Main Profile/High Profile	
H.264+	Support	
Video Bit Rate	32 Kbps to 16 Mbps	
Image		
Max. Resolution	1280 × 960	1920 × 1080
Main Stream	50Hz: 25fps (1280 × 960, 1280×720) 60Hz: 30fps (1280 × 960, 1280×720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280×720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280×720)
Sub Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)	
Third Stream	50Hz: 25fps (1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240, 320 × 240)	
Image Enhancement	BLC/HLC/3D DNR/Defog/EIS	
Image Settings	Support rotate mode. Brightness, contrast, saturation, and sharpness adjustable via web browser and client software	
ROI (Region of Interest)	Support 4 fixed region for each stream, or face dynamic tracking	
Target Cropping	Support	
Day/Night Switch	Auto/Schedule/Triggered by Alarm In	
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128, 24 bit bmp format	
Network		
Network Storage	NAS (Support NFS, SMB/CIFS)	
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, Illegal Login, HDD full, HDD error	
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6	
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI	
General Function	One-key Reset, Anti-Flicker, Three Streams, Heartbeat, Mirror, Password Protection, Privacy Mask, Watermark, IP Address Filter	
Interface		
Communication Interface	-IM: M12 aviation plug -I: 1 RJ45 10M/100M Ethernet port	
General		
Operating Conditions	-40 °C to 70 °C (-40 °F to 158 °F), Humidity 95% or less (non-condensing)	
Power Supply	DC12V; PoE (802.3af)	
Power Consumption	Max. 8.5W	
IR Range	Up to 10 m	
Protection Level	IP68, IK10	
Dimensions	163.7 × 122.6 × 65.1 mm (6.4" × 4.8" × 2.6")	
Weight	960g (2.1lbs)	



Key Features

- Up to 1.3 / 2.0 megapixel high resolution
- 1280 × 960 / 1920 × 1080 @30fps video
- Three video streams
- 4mm/6mm/8mm/12mm fixed lens
- 120dB Wide Dynamic Range
- 3D Digital Noise Reduction
- 3-axis adjustment
- Up to 128 GB on-board storage
- DC12V & PoE (802.3af)
- 20 m to 30 m IR range
- Build-in Heater
- IP68 weather-proof protection
- IK10
- M12 aviation plug (optional)
- Multiple smart events supported

Dimension (unit: mm)



Order Models

DS-2CD6512D-IO
DS-2CD6512D-I
DS-2CD6522D-IO
DS-2CD6522D-I

DS-2CD6512/6522-I(0)

1.3/2.0MP Weather-Vandal-Proof Mobile Network Camera

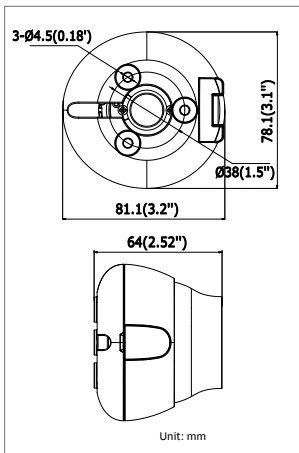
	DS-2CD6512D-I (0)	DS-2CD6522D-I (0)
Camera		
Image Sensor	1/2.7" Progressive Scan CMOS	
Min. Illumination	0.01Lux @ (F1.2, AGC ON), 0 Lux with IR	
Shutter Speed	1/3 s to 1/100,000 s	
Lens	4 mm, horizontal field of view 90° [6 mm (53.9°), 8 mm (37.9°), 12 mm (24.3°), optional]	
Lens Mount	M12	
Day & Night	IR cut filter with auto switch	
DNR	3D DNR	
Wide Dynamic Range	120dB	
3-Axis Adjustment	Pan: -15° to 15°, Tilt: 0° to 30°, Rotate: -90° to 90°	
Compression Standard		
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264	
H.264 Type	Baseline Profile/Main Profile/High Profile	
H.264+	Main stream supports	
H.265 Type	Main Profile	
H.265+	Main stream supports	
Video Bit Rate	256 Kbps to 16 Mbps	
Image		
Max. Resolution	1280 × 960	1920 × 1080
Frame Rate	50Hz: 25fps (1280 × 960,1280 × 720) 60Hz: 30fps (1280 × 960,1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280×720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280×720)
Sub Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)	
Third Stream	50Hz: 25fps (1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240, 320 × 240)	
Image Enhancement	BLC/HLC/3D DNR/Defog/EIS	
Image Settings	Support rotate mode. Brightness, contrast, saturation, and sharpness are adjustable via web browser and client software	
ROI (Region of Interest)	Support 4 fixed region for each stream, or face dynamic tracking	
Target Cropping	Support	
Day/Night Switch	Day/Night/Auto/Scheduled	
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128, 24 bit bmp format	
Network		
Network Storage	Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR	
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, Illegal Login, HDD full, HDD error	
Detection	Defocus Detection, Scene Change Detection, Face Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection	
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6	
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI	
General Function	One-key Reset, Dual-VCA, Anti-Flicker, Three Streams, Heartbeat, Mirror, Password Protection, Privacy Mask, Watermark, IP Address Filter	
Interface		
Communication Interface	-IO: 1 RJ45 10M/100M Ethernet port -I: M12 aviation plug	
Audio	1Vp-p Composite Output(75Ω/BNC)	
General		
Operating Conditions	-40 °C to +65 °C (-40 °F to +149°F), Humidity 95% or less (non-condensing)	
Power Supply	DC12V; PoE (802.3af, class ?)	
Power Consumption	Max. 8W	
Build-in Heater	Support	
IR Range	20 m to 30 m	
Protection Level	IP68, IK10	
Dimensions	155.17 × 110.9 × 60.8 mm (6.1" × 4.4" × 2.4")	
Weight	960g (2.1lbs)	



Key Features

- Up to 1.3 / 2.0 megapixel high resolution
- Support Smart IR, Up to 3m IR range
- IR cut filter with auto switch
- Support on-board storage, up to 128GB
- Build-in microphone
- 120dB Wide Dynamic Range
- 3D Digital Noise Reduction
- Backlight Compensation
- Auto Electronic Shutter

Dimension (unit: mm)



Order Models

DS-2XM6612FWD-I
 DS-2XM6612DFWD-I
 DS-2XM6622FWD-I
 DS-2XM6622DFWD-I

DS-2XM6612/6622(D)FWD-I

1.3/2.0MP ICR Mobile Network Turret Camera

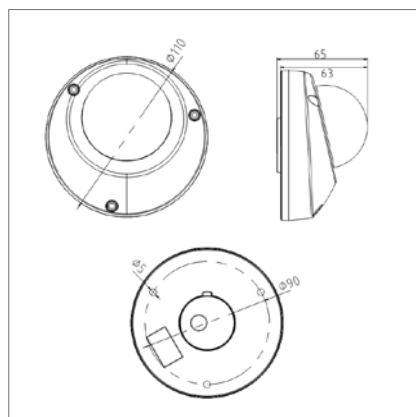
	DS-2XM6612(D)FWD-I	DS-2XM6622(D)FWD-I
Camera		
Image Sensor	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Min. Illumination	0.01Lux @ (F1.2, AGC ON), 0 Lux with IR 0.028Lux @ (F2.0, AGC ON), 0 Lux with IR	
Shutter Speed	1/3 s to 1/100,000 s	
Lens	4mm, horizontal field of view: 73.1°; [2.0mm (115°); 2.8mm (92.5°); 6mm (46°); 8mm (35.52°); 12mm (22°), optional]	
Lens Mount	M12	
Day & Night	IR cut filter with auto switch	
DNR	3D DNR	
Wide Dynamic Range	120dB	
Angle Adjustment	Tilt: -20° to 20°, Rotation: 0° to 360°	
Compression Standard		
Video Compression	H.264/MJPEG	
H.264 Type	Main Profile	
Video Bit Rate	32 Kbps to 16 Mbps	
Audio Compression	G.711/G.726/MP2L2/G722.1	
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.726)/32Kbps to 128Kbps(MP2L2)/32Kbps(G722.1)	
Dual Streams	Support	
Image		
Max. Resolution	1280 × 960	1920 × 1080
Main Stream	50Hz: 25fps (1280 × 960, 1280×720) 60Hz: 30fps (1280 × 960, 1280×720)	
Sub Stream	50Hz: 25fps (352 × 288, 640 × 360) 60Hz: 30fps (352 × 240, 640 × 360)	
Image Settings	Saturation, Brightness, Contrast, etc., adjustable by client software or web browser	
Backlight Compensation	Support, zone optional	
Region of Interest	Support one customized region for each stream	
Network		
Network Storage	Support Micro SD/SDHC/SDXC card (up to 128 GB) local storage and NAS (NFS,SMB/CIFS)	
Alarm Trigger	Motion Detection, Tampering Alarm, Intrusion Detection, Line Crossing Detection, HDD Full, HDD Error, Network Disconnected, IP Address Conflicted, Illegal login	
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, QoS, IPv6, Bonjour	
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI	
General Function	Mirror, Dual Streams, Anti-Flicker, Watermark, Password Protection, Privacy Mask	
Interface		
Communication Interface	1 RJ45 10M/100M Ethernet port	
On-board Storage	Built-in Micro SD/SDHC/SDXC slot, up to 128GB	
General		
Operating Conditions	-30°C to 60 °C (-22 °F to 140 °F), Humidity 10% to 90% (non-condensing)	
Power Supply	DC12V ± 10%	
Power Consumption	Max. 3.5W	
Cable Length	0.8 m	
IR Range	Approx. 3 meters	
Dimensions	81.1 × 78.1 × 64 (3.2" × 3.1" × 2.52")	
Weight	400g (0.88 lbs)	



Key Features

- Up to 1.3 / 2.0 megapixel high resolution
- 1280 × 960 / 1920 × 1080 @30fps video
- Three video streams
- 4mm/6mm/8mm/12mm fixed lens
- 120dB Wide Dynamic Range
- 3D Digital Noise Reduction
- 3-axis adjustment
- Support on-board storage, up to 128 GB
- DC24V & PoE (802.3af)
- Audio I/O
- Up to 10 m IR range
- IP54 weather-proof protection (not include camera base)
- IK08
- M12 aviation plug (Optional)
- Multiple smart events supported
- Support EN50155 standard, specially designed for vehicle surveillance

Dimension (unit: mm)



Order Models

DS-2CD6512DT-I0
DS-2CD6512DT-I
DS-2CD6522DT-I0
DS-2CD6522DT-I

DS-2CD6512/6522DT-I (0) 1.3/2.0MP Weather-Vandal-Proof Mini Dome Camera

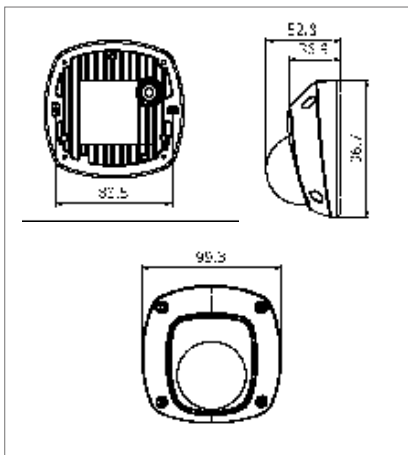
	DS-2CD6512DT-I (0)	DS-2CD6522DT-I (0)
Camera		
Image Sensor	1/2.7" Progressive Scan CMOS	
Min. Illumination	0.01Lux @ (F1.2, AGC ON), 0 Lux with IR	
Shutter Speed	1/3 s to 1/100,000 s	
Lens	4 mm, horizontal field of view 90° [6 mm (53.9°), 8 mm (37.9°), 12 mm (24.3°), optional]	
Lens Mount	M12	
Day & Night	IR cut filter with auto switch	
DNR	3D DNR	
Wide Dynamic Range	120dB	
3-Axis Adjustment	Pan: -30° - 30°, Tilt: 0° - 75°, Rotation: 0° - 360°	
Compression Standard		
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264	
H.264 Type	Baseline Profile/Main Profile/High Profile	
H.264+	Main stream supports	
H.265 Type	Main Profile	
H.265+	Main stream supports	
Video Bit Rate	256 Kbps to 16 Mbps	
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM	
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)	
Image		
Max. Resolution	1280 × 960	1920 × 1080
Frame Rate	50Hz: 25fps (1280 × 960,1280 × 720) 60Hz: 30fps (1280 × 960,1280 × 720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280×720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280×720)
Sub Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)	
Third Stream	50Hz: 25fps (1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240, 320 × 240)	
Image Enhancement	BLC/HLC/3D DNR/Defog/EIS	
Image Settings	Support rotate mode. Brightness, contrast, saturation, and sharpness are adjustable via web browser and client software	
ROI (Region of Interest)	Support 4 fixed region for each stream, or face dynamic tracking	
Target Cropping	Support	
Day/Night Switch	Day/Night/Auto/Scheduled	
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128, 24 bit bmp format	
Audio		
Environment Noise Filtering	Support	
Audio I/O	Support	
Sampling Rate	Max. 48kHz	
Network		
Network Storage	Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR	
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, Illegal Login, HDD full, HDD error	
Detection	Defocus Detection, Scene Change Detection, Face Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection	
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6	
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI	
General Function	One-key Reset, Dual-VCA, Anti-Flicker, Three Streams, Heartbeat, Mirror, Password Protection, Privacy Mask, Watermark, IP Address Filter	
Interface		
Communication Interface	-IO: 1 RJ45 10M/100M Ethernet port -I: M12 aviation plug	
Audio	Audio input/output interface (line in/line out)	
On-board Storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	
General		
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)	
Power Supply	DC24V, PoE (802.3af)	
Power Consumption	Max. 4W	
IR Range	Up to 10 m	
Protection Level	IP54 (camera base not included), IK08	
Dimensions	Φ110 × 63 mm (4.3" × 2.4")	
Weight	510g (1.1lbs)	



Key Features

- Up to 1.3/2.0MP high resolution
- 1280 × 960/1920 × 1080 @30fps video
- Three video streams
- 4mm/6mm/8mm fixed lens
- 120dB Wide Dynamic Range
- 3D Digital Noise Reduction
- 3-axis adjustment
- Support on-board storage, up to 128 GB
- DC12V & PoE (802.3af)
- Up to 10 m IR range
- IP66 weather-proof protection(inside vehicle use type)
- IK8 vandal proof protection
- M12 aviation plug (optional)
- Multiple smart events supported

Dimension (unit: mm)

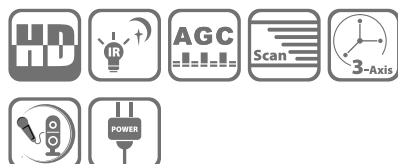


Order Models

DS-2XM6112FWD-I
DS-2XM6112FWD-IM
DS-2XM6122FWD-I
DS-2XM6122FWD-IM

DS-2XM6112/6122FWD-I (M) 1.3/2.0MP Weather-Vandal-Proof Network Mobile Camera

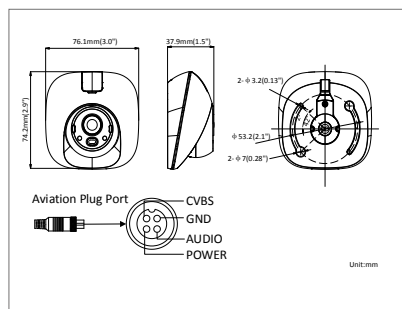
	DS-2XM6112FWD-I (M)	DS-2XM6122FWD-I (M)
Camera		
Image Sensor	1/2.7" Progressive Scan CMOS	
Min. Illumination	0.01Lux @ (F1.2, AGC ON), 0 Lux with IR	
Shutter Speed	1/3 s to 1/100,000 s	
Lens	4 mm, horizontal field of view 90° [6 mm (53.9°), 8 mm (37.9°), optional]	
Lens Mount	M12	
Day & Night	IR cut filter with auto switch	
DNR	3D DNR	
Wide Dynamic Range	120dB	
3-Axis Adjustment	Pan: -30° to 30°, Tilt: 0° to 80°, Rotate: 0° to 360°	
Compression Standard		
Video Compression	Main stream: H.264/H.265 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264	
H.264 Type	Baseline Profile/Main Profile/High Profile	
H.264+	Main stream supports	
H.265 Type	Main Profile	
H.265+	Main stream supports	
Video Bit Rate	256 Kbps to 16 Mbps	
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM	
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)	
Image		
Max. Resolution	1280 × 960	1920 × 1080
Main Stream	50Hz: 25fps (1280 × 960, 1280×720) 60Hz: 30fps (1280 × 960, 1280×720)	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280×720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280×720)
Sub Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)	
Third Stream	50Hz: 25fps (1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240, 320 × 240)	
Image Enhancement	BLC/HLC/3D DNR/Defog/EIS	
Image Settings	Support rotate mode. Brightness, contrast, saturation, and sharpness are adjustable via web browser and client software	
ROI (Region of Interest)	Support 4 fixed region for each stream, or face dynamic tracking	
Target Cropping	Support	
Day/Night Switch	Day/Night/Auto/Scheduled	
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128, 24 bit bmp format	
Audio		
Environment Noise Filtering	Support	
Audio I/O	Support	
Sampling Rate	Max. 48kHz	
Network		
Network Storage	NAS (Support NFS, SMB/CIFS), Built-in Micro SD/SDHC/SDXC card slot, up to 128 GB	
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, Illegal Login, HDD full, HDD error	
Detection	Defocus Detection, Scene Change Detection, Face Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection	
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6	
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI	
General Function	One-key Reset, Dual-VCA, Anti-Flicker, Three Streams, Heartbeat, Mirror, Password Protection, Privacy Mask, Watermark, IP Address Filter	
Interface		
Communication Interface	-IM: M12 aviation plug -I: 1 RJ45 10M/100M Ethernet port	
Audio	-IM: M12 aviation plug	
Video Out	-I: 1 RJ45 10M/100M Ethernet port	
General		
Operating Conditions	-30 °C to +60 °C [-22 °F to +140°F], Humidity 95% or less (non-condensing)	
Power Supply	DC12V; PoE (802.3af)	
Power Consumption	Max. 5W	
IR Range	Up to 10 m	
Protection Level	IP66, IK8	
Dimensions	99.3 × 96.7 × 52.8 mm [3.9" × 3.8" × 2.1"]	
Weight	420 g (0.92lbs)	



Key Features

- 0.1Lux @(F1.2,AGC ON), 0 Lux with IR
- 720P high definition
- Adopt wide-angle lens with wider monitoring coverage
- Adopt EXIR technology
- Support electronic shutter and AGC
- Patented universal regulating mechanism, easy to adjust
- Anti-vibration design and aviation port for mobile environments
- Suitable for mobile environments

Dimension (unit: mm)



Order Models

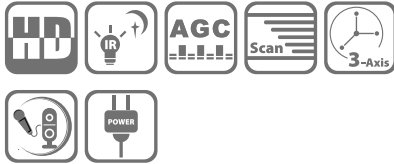
AE-VC112T-ITS (2.1mm)

AE-VC112T-ITS (2.8mm)

AE-VC112T-ITS

720P EXIR Mobile Turret Camera

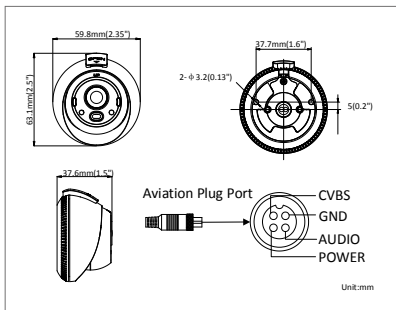
Camera	
Image Sensor	1.0 Mega Progressive Scan CMOS
Signal System	PAL/NTSC
Resolution	1296(H)×732(V)
Effective Pixels	1280(H)×720(V)
Min. Illumination	0.1Lux @(F1.2,AGC ON), 0 lux with IR
Shutter Time	1/25(1/30)s to 1/50,000s
Lens	2.1mm (2.8mm Optional)
Lens Mount	M12
Day & Night	Electronic
Angle Adjustment	Pan: -35° to 35°; Tilt: 0° to 70°; Rotation: 0° to 360°
Frame Rate	25fps/30fps
Synchronization	Internal Synchronization
Video Output	Aviation Port
S/N Ratio	> 62dB
Interfaces	
Video Out	1Vpp Composite Output
Audio In	Built-in Microphone
Audio Out	1-ch, Aviation Port (Output Impedance: 1KΩ±10%)
Aviation Plug	1: TVI, 2: Audio, 3: Power, 4: GND
General	
Working Temperature/Humidity	-30°C to 65°C (-22°F to 149°F), Humidity 90% or less (non-condensing)
Power Supply	6VDC to 16VDC
Power Consumption	MAX. 2.5W
IR Range	3m
Dimension	74.2mm×76.1mm×37.9mm (2.92"×3.00"×1.49")
Weight	Approx. 200g (0.44lb)



Key Features

- 0.1Lux @(F1.2,AGC ON), 0 lux with IR
- 720P high definition
- Adopt wide-angle lens with wider monitoring coverage
- Adopt EXIR technology
- Support electronic shutter and AGC
- Patented universal regulating mechanism, easy to adjust
- Anti-vibration design and aviation port for mobile environments
- Suitable for mobile environments

Dimension (unit: mm)



Order Models

AE-VC123T-ITS (2.1mm)

AE-VC123T-ITS

720P EXIR Mobile Turret Camera

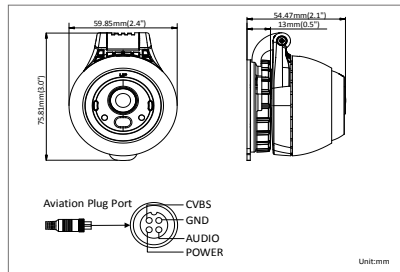
Camera	
Image Sensor	1.0 Mega Progressive Scan CMOS
Signal System	PAL/NTSC
Resolution	1296(H)×732(V)
Min. Illumination	0.1Lux @(F1.2,AGC ON), 0 lux with IR
Shutter Time	1/25(1/30)s to 1/50,000s
Lens	2.1mm
Lens Mount	M12
Day & Night	Electronic
Angle Adjustment	Pan: 0° to 360°; Tilt: 0° to 60°; Rotation: 0° to 360°
Frame Rate	25fps/30fps
Synchronization	Internal Synchronization
Video Output	Aviation Port
S/N Ratio	> 62dB
Interfaces	
Video Out	1Vpp Composite Output
Audio In	Built-in Microphone
Audio Out	1-ch, Aviation Port (Output Impedance: 1KΩ±10%)
Aviation Plug	1: TVI, 2: Audio, 3: Power, 4: GND
Menu	
AGC	Low/Middle/High/OFF
D/N Mode	Color/BW/SMART
White Balance	Manual/Auto
BLC	Support
Language	Chinese/English
Functions	Brightness, Contrast, Saturation, Sharpness, Digital noise reduction, Mirror
General	
Working Temperature/Humidity	-30°C to 65°C (-22°F to 149°F), Humidity 90% or less (non-condensing)
Power Supply	6VDC to 16VDC
Power Consumption	MAX. 2.5W
IR Range	3m
Dimension	63.1mm×59.8mm×37.6mm (2.48"×2.35"×1.48")
Weight	Approx. 200g (0.44lb)



Key Features

- 0.1Lux @(F1.2,AGC ON)
- 720P high definition
- Adopt wide-angle lens with wider monitoring coverage
- Support electronic shutter and AGC
- Patented universal regulating mechanism, easy to adjust
- Anti-vibration design and aviation port for mobile environments
- Suitable for mobile environments

Dimension (unit: mm)



Order Models

AE-VC152T-S (2.1mm)

AE-VC152T-S (2.8mm)

AE-VC152T-S

720P Mobile Turret Camera

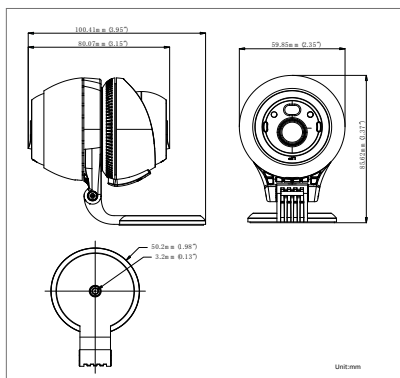
Camera	
Image Sensor	1.0 Mega Progressive Scan CMOS
Signal System	PAL/NTSC
Resolution	1296(H)×732(V)
Min. Illumination	0.1Lux @(F1.2,AGC ON)
Shutter Time	1/25(1/30)s to 1/50,000s
Lens	2.1mm,2.8mm optional
Lens Mount	M12
Day & Night	Electronic
Angle Adjustment	Pan: 0°; Tilt:0°; Rotation: 0°, Bracket Angle Adjustment Range: 0° to 180°
Frame Rate	25fps/30fps
Synchronization	Internal Synchronization
Video Output	Aviation Port
S/N Ratio	>62dB
Interfaces	
Video Out	1Vpp Composite Output
Audio In	Built-in Microphone
Audio Out	1-ch, Aviation Port (Output Impedance: 1KΩ±10%)
Aviation Plug	1: TVI, 2: Audio, 3: Power, 4: GND
General	
Working Temperature/ Humidity	-30°C to 65°C (-22°F to 149°F), Humidity 90% or less (non-condensing)
Power Supply	6VDC to 16VDC
Power Consumption	MAX. 1.5W
Dimension	59.9mm×75.8mm×54.5mm (2.36"×2.98"×2.15")
Weight	Approx. 200g (0.44lb)



Key Features

- 0.1Lux @(F1.2,AGC ON), 0 Lux with IR (IR function is only supported by back sight camera)
- Analog HD output, up to 720P resolution
- Support electronic Day/Night switch
- Adopt bi-lens with wider monitoring coverage
- Support electronic shutter and AGC
- Built-in microphone
- Patented universal regulating mechanism, easy to adjust
- Anti-vibration design and aviation port for mobile environments
- Suitable for mobile environments

Dimension (unit: mm)



Order Models

AE-VC161T-ITS (2.1mm)
AE-VC161T-ITS (2.8mm)

AE-VC161T-ITS

720P Mobile Turret Camera

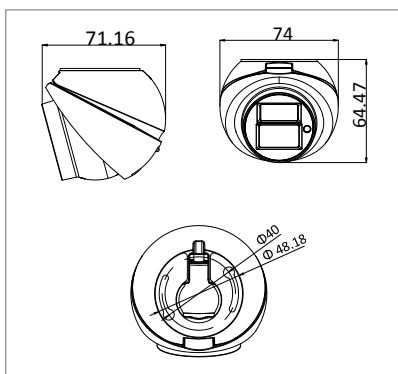
Camera	
Image Sensor	1.0 Mega Progressive Scan CMOS
Signal System	PAL/NTSC
Resolution	1296(H)×732(V)
Min. Illumination	0.1Lux @(F1.2,AGC ON), 0 Lux with IR
Shutter Time	1/25(1/30)s to 1/50,000s
Lens	Fore Sight: 2.1mm,2.8mm Back Sight: 2.1mm
Lens Mount	M12
Day & Night	Fore Sight: Color Back Sight: Electronic
Angle Adjustment	Fore Sight: Bracket Angle Adjustment Range: 0° to 90° Back Sight: Pan: 0° to 360°; Tilt:0° to 60°; Rotation: 0° to 360°
Frame Rate	720P@25fps/30fps
Synchronization	Internal Synchronization
Video Output	Aviation Port
S/N Ratio	>62dB
Interfaces	
Video Out	2-ch, Aviation Port (1Vpp Composite Output)
Audio In	Built-in Microphone
Audio Out	2-ch, Aviation Port (Output Impedance: 1KΩ±10%)
Aviation Plug	1: TVI, 2: Audio, 3: Power, 4: GND
General	
Working Temperature/ Humidity	-30°C to 65°C (-22°F to 149°F), Humidity 90% or less (non-condensing)
Power Supply	6VDC to 16VDC
Power Consumption	MAX. 4W
Dimension	59.9mm×85.6mm×80mm (2.36"×3.37"×3.15")
Weight	Approx. 400g (0.88lb)



Key Features

- 1.0MP Progressive Scan CMOS
- Turbo HD output, up to 720P resolution
- 0.1Lux @(F1.2, AGC ON), 0 Lux with IR
- Adopt wide-angle lens with wider monitoring coverage
- Support electronic shutter and AGC
- Up to IP68 protection level
- Patented universal regulating mechanism, easy to adjust
- Anti-vibration design and aviation port for mobile environments
- Built-in microphone(-S)

Dimension (unit: mm)



AE-VC122T-IT(S)

1MP IR Mobile Dome Camera

Camera	
1MP IR Mobile Dome Camera	1.0MP Progressive Scan CMOS
Signal System	1280(H)×800(V)
Resolution	0.1Lux @(F1.2, AGC ON), 0 Lux with IR
Min. Illumination	1/25(30)s to 1/50,000s
Shutter Time	2.1mm(2.8mm/3.6mm optional)
Lens Mount	M12
Angle Adjustment	Pan:0° - 60°; Tilt:0° - 50°; Rotation:0° - 360°
Day & Night	Electronic
Horizontal Definition	950TVL
Synchronization	Internal
Video Output	Aviation port
Frame Rate	720p@25fps/30fps
Function	Mirror(PTZ control)
General	
Working Temperature/Humidity	-40°C~75°C, Humidity 90% or less (non-condensing)
Power Supply	DC6V-16V
Power Consumption	3.5W MAX
IR Range	20-30m
Protection Level	IP68
Dimension(mm)	74×64.47×71.16
Weight	200g

Accessories



DS-1280ZJ-XS
Junction box



DS-1H18
Video Balun



X41T
Camera Tester

Order Models

- AE-VC521T-A2R1 (2.1mm)
 AE-VC511T-A2R1 (2.8mm)
 AE-VC501T-A2R1 (3.6mm)



AE-VC151T-IT

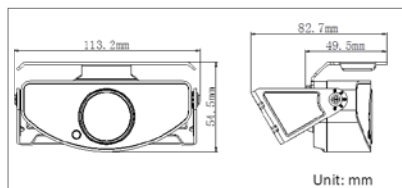
IR Mobile Dome Camera



Key Features

- 1.0MP Progressive Scan CMOS
- Turbo HD output, up to 720P resolution
- 0.1Lux @(F1.2,AGC ON),0 Lux with IR
- Adopt wide-angle lens with wider monitoring coverage
- Support electronic shutter, AGC and auto Day & Night switch
- Up to IP68 protection level
- Anti-vibration design and aviation port for mobile environments

Dimension (unit: mm)



Camera	
Image Sensor	1.0Mega Progressive Scan CMOS
Signal System	1280(H)×720(V)
Min. Illumination	0.1Lux @(F1.2,AGC ON),0 Lux with IR
Shutter Time	1/25(30)s to 1/50,000s
Lens	2.1mm (2.8mm/3.6mm optional)
Lens Mount	M12
Angle Adjustment	Tilt: 0-90°
Day & Night	Electronic
Horizontal Definition	950TVL
Synchronization	Internal
Video Output	Aviation port
HD Video Output	1 Turbo HD output, in line with HDTVI standard
Function	Mirror(PTZ control)
General	
Working Temperature/ Humidity	-40°C~75°C, Humidity 90% or less (non-condensing)
Power Supply	DC6V-16V
Power Consumption	3.5W MAX
IR Range	20-30m
Protection Level	IP68
Dimension(mm)	113.2mm×54.5mm×82.7mm
Weight	200g

Accessories



DS-1280ZJ-XS
Junction box



DS-1H18
Video Balun



X41T
Camera Tester

Order Models

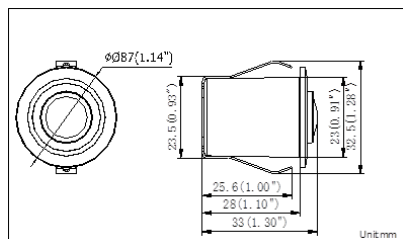
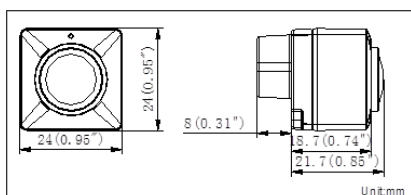
- AE-VC151T-IT (2.1mm)
- AE-VC151T-IT (2.8mm)
- AE-VC151T-IT (3.6mm)



Key Features

- Clear and vivid image
- 0.1Lux@(F1.4,AGCON), 0 Lux with IR
- IP68 protection level, high reliability

Dimension (unit: mm)



Accessories

Suitable for mobile application such as bus, taxi, etc.

Order Models

AE-VC031P(1.15mm)
 AE-VC031N(1.15mm)
 AE-VC041P(1.15mm)
 AE-VC041N(1.15mm)

AE-VC041/31P(N)

1/4" CMOS Mobile Fisheye Camera

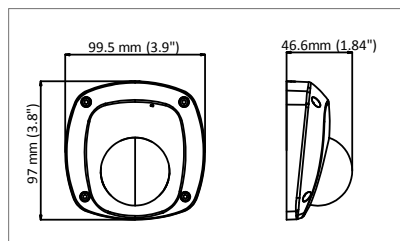
	AE-VC031P(N)	AE-VC041P(N)
Camera		
Image Sensor	1/4" Progressive Scan CMOS	
Signal System	PAL/NTSC	
Effective Pixels	728(H)×560(V)	
Min. illumination	0.1Lux@(F1.4,AGCON)	
Shutter Time	1/25(1/30)-1/50,000sec	
Lens	1.15mm@F2.0	
	Angle of view: 120°	
Lens Mount	M12	
Day & Night	Color	
Horizontal Resolution	480TVL	
Synchronization	Internal synchronization	
Video Output	1Vp-p Composite Output(75Ω/BNC, aviation plug)	
S/N Ratio	>60dB	
General		
Working Temperature/ Humidity	-30 °C ~ 70 °C (-22 °F ~ 158 °F) Humidity 90% or less (non-condensing)	
Power Supply	6-16V DC	
Power Consumption	Max. 0.5W	
Ingress Protection	IP68	
Dimension	33×32.5mm(1.30" × 1.28")	24×24×29.7mm(0.94"×0.94"×1.17")
Weight	50g(0.11lb)	



Key Features

- 2 megapixel progressive CMOS sensor
- Up to 1080p resolution
- OSD menu, DNR, Smart IR, AGC
- IR cut filter
- True WDR
- Internal 3-axis adjustment
- Built-in microphone
- Up the Coax (HIKVISION-C)

Dimension (unit: mm)



Accessories



Order Models

AE-VC211T-ITS (2.8mm)
 AE-VC211T-ITS (3.6mm)
 AE-VC211T-ITS (6mm)

AE-VC211T-IRS

HD 1080P Mini Dome Camera

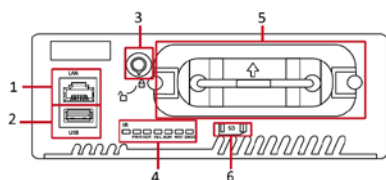
Camera	
Image Sensor	2 megapixel progressive CMOS sensor
Signal System	PAL/NTSC
Effective Pixels	1964 (H) × 1116 (V)
Min. illumination	0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter Time	1/25 s (1/30 s) to 1/50,000 s
Lens	3.6 mm (2.8 mm, and 6 mm are selectable)
Lens Mount	M12
Day & Night	IR cut filter
Angle Adjustment	Pan: -30° to 30°, Tilt: 0° to 75°, Rotate: -180° to 180°
Synchronization	Internal Synchronization
Ture WDR	> 120 dB
Video Frame Rate	1080p@25fps, 1080p@30fps
S/N Ratio	> 62 dB
Interfaces	
Video Out	1-ch, Aviation Port
Audio In	Built-in Microphone
Audio Out	1-ch, Aviation Port (Linear Level, 1KΩ)
Aviation Plug	Pin 1: Video, Pin 2: Audio, Pin 3: Power, Pin 4: GND
Menu	
AGC	Low/Middle/High/OFF
D/N Mode	Color/BW/SMART
White Balance	Manual/Auto
BLC	Support
Language	Chinese/English
Functions	Brightness, Contrast, Saturation, Sharpness, Digital noise reduction, Mirror
General	
Operating Conditions	Temperature: -40 °C to 60 °C (-40 °F to 140 °F), Humidity: 90% or less (no condensation)
Power Supply	12 V DC±15%
Power Consumption	Max. 4 W
Protection Level	IK 07
IR Distance	10 m to 20 m
Dimensions	97 mm × 99.5 mm × 46.6 mm (3.82" × 3.92" × 1.83")
Weight	Approx. 300 g (0.66 lb.)



Key Features

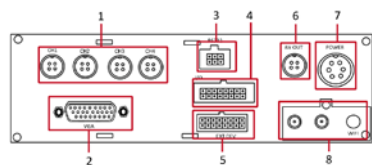
- Supports 4 channels of WD1 video input
- Pluggable disk box with vibration damping technology
- 1x 2.5-inch HDD/SSD
- Pluggable 3G/4G/Wi-Fi module (optional)
- Standard 1DIN dimensions
- EN50155 certification

Front Panel of DS-M5504HMI



1. LAN
2. USB
3. Hard disk lock
4. Indicators
5. Hard disk box
6. SD card slot

Rear Panel of DS-M5504HMI



1. CH1-CH4
2. VGA
3. RS232
4. I/O
5. EXT.DEV
6. AV OUT
7. POWER
8. Pluggable Module

Order Models

DS-M5504HMI,
DS-M5504HMI/GW,
DS-M5504HMI/GW/WI,
DS-M5504HMI/GLF/WI

DS-M5504HMI

Mobile DVR

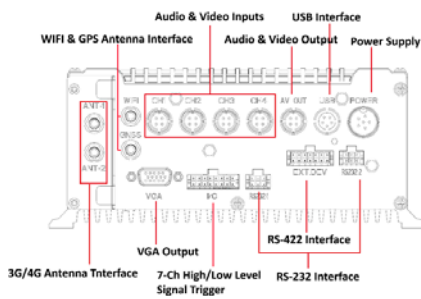
Video/Audio input	
Analog video input	4-ch. Aviation plug (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive
Audio input	4-ch. Aviation plug (linear level, 1kΩ)
Video/Audio output	
VGA output	1-ch. Resolution: 1920×1080, 1280×1024, 1280×720, 1024×768
CVBS output	1-ch. Aviation plug (1.0 Vp-p, 75 Ω); resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio output	1-ch. Aviation plug (linear level, 600 Ω)
Encoding/Decoding parameters	
Video compression	H.264
Encoding resolution	Main stream: WD1 / 4CIF / 2CIF / CIF; Sub-stream: CIF / QCIF
Frame rate	25 fps (PAL)/30 (NTSC)
Video bitrate	32Kbps to 2Mbps; custom (Max.: 4Mbps)
Audio compression	G.711
Audio bitrate	16Kbps
Stream type	Video, Video & Audio
Dual stream	Supported
Hard disk	
Type	One 2.5-inch SATA HDD/SSD
Capacity	Up to 1TB capacity supported
Installation	Pluggable
Protection	3-generation hard disk box
Backup	USB interfaces on hard disk box and device front panel supporting data backup
Wireless Network	
4G	FDD-LTE (for DS-M5504HMI/GLF/WI)
3G	WCDMA (for DS-M5504HMI/GW and DS-M5504HMI/GW/WI)
Wi-Fi	802.11 b/g/n supported, 2.4GHz (for DS-M5504HMI/GW/WI and DS-M5504HMI/GLF/WI)
Positioning	
GNSS	GPS
External interface	
Two-way audio	1-ch, G.722
Alarm input	3-ch high/low level signal inputs
Alarm output	2-ch signal outputs
Sensor in	4 high/low level signal inputs; 1 pulse signal input (reserved)
Network interface	1; RJ45; 10M/100M self-adaptive Ethernet interface
Antenna interface	SMA interfaces on pluggable module including one for 3G/4G, one for Wi-Fi and one for GPS
Serial interface	1 RS-232, 1 RS-422
USB interface	1 USB2.0 interface on the front panel; 1 USB 5-pin aviation plug on the rear panel.
SIM card	1, standard SIM card slot
SD card	1, standard SD card slot
General	
Operating system	Linux
Operating method	Mouse, IR remote control and Web control
Power supply	9 to 32 VDC
Consumption	Standby: Max. 0.5W; Full load: Max.20W (without 7-inch screen)
Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)
Working humidity	10% to 90%
Dimensions (W×D×H)	178 mm × 170 mm × 50 mm (7.0" × 6.7" × 2.0")
Weight	≤ 1.6 kg (3.53 lb) (without hard disk or SD card)



Key Features

- Supports 4 channels of 720P video input and 1 extra 1080P IP camera
- 4-ch PoC interface
- Pluggable disk box with vibration damping technology
- 2x pluggable 2.5-inch HDDs / SSDs
- Pluggable 3G/4G model (optional)
- Built-in Wi-Fi/GPS (optional)
- Built-in G-sensor
- EN50155 certification

Rear Panel of DS-MP7504



Order Models

DS-MP7504,
DS-MP7504/GW, (Supports 3G dialing)
DS-MP7504/GLF/WI, (Supports 4G dialing and Wi-Fi)
DS-MP7504/GW/WI. (Supports 3G dialing and Wi-Fi)

DS-MP7504 Mobile DVR

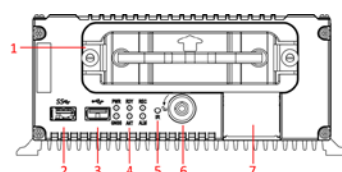
Video/Audio input	
Analog camera	4-ch; Aviation plug (1.0 Vp-p, 75 Ω)
IP camera	1-ch
Audio input	4-ch; Aviation plug (linear level, 1kΩ)
Video/Audio output	
Video Output	VGA: 1-ch; 1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz CVBS : 1-ch aviation plug (1.0 Vp-p, 75 Ω) and 1-ch RS-422; PAL: 704 × 576, NTSC: 704 × 480
Audio output	1-ch; Aviation plug (linear level, 600 Ω)
Encoding/Decoding parameters	
Video compression	H.264, H.264+ (analog camera only)
Encoding resolution	Analog camera: Main stream: up to 720p. Sub-Stream: CIF/QCIF IP camera: Main stream: up to 1080p. Sub-Stream: up to 4CIF
Frame rate	PAL: 1 to 25fps; NTSC: 1 to 30fps
Audio compression	G.711
Stream type	Video, Video & Audio
Dual stream	Supported
Hard Disk	
Type	2 × 2.5 inch hard disk (HDD/SSD)
Capacity	Up to 1 TB for each disk
Wireless Network	
3G/4G Dialing	1 external antenna; WCDMA module
Wi-Fi	802.11 b/g/n supported, 2.4GHz
Wireless Network	
3G/4G Dialing	WCDMA and FDD-LTE module optional; One 3G/4G dialing antenna.
Wi-Fi	802.11B/G/N compatible. 1 Wi-Fi antenna.
Positioning	
GNSS	1 positioning antenna for GPS (Global Positioning System)
External interface	
Two-way audio compression	G.722
Sensor-in	4 high/low level signal inputs
Alarm input	3 high/low level signal inputs
Alarm output	2 relay signal outputs
Network interface	1 × 10M/100M self-adaptive RJ45 Ethernet interface
Serial interface	2 × RS-232, 1 × RS-422
USB port	Front panel: 1 × standard USB 2.0; Rear panel: 1 × aviation plug USB 2.0
SIM card	1 SIM/UIM card slots
General	
Operating system	Linux
Operating method	Mouse, IR remote control, and Web control
Power supply	Input: 9 to 32 VDC; Output: 12 VDC/1 A, 5 VDC/1 A
Consumption	≤ 20 W
Working temperature	-25 °C to +70 °C (-13 °F to 158 °F)
Working humidity	10% to 90%
Dimensions (W×D×H)	236 × 73 × 210 mm (9.29 × 2.87 × 8.27 in)
Weight (without HDDs/SSDs)	Approx. 3 kg (6.61 lb)



Key Features

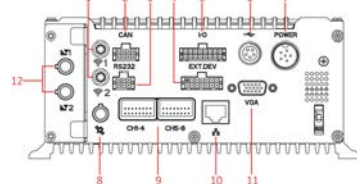
- Supports 8 channels of 1080P HD-TVI cameras connection
- Pluggable disk box with anti-vibration design
- 2x pluggable 2.5-inch HDDs / SSDs
- Redundant recording on SD card when the HDD/SSD is damaged
- Pluggable 3G/4G model (optional)
- Built-in Wi-Fi/GPS (optional)
- Built-in G-sensor Wide-range power input (+ 9 to + 32 VDC)
- EN50155 certification

Front Panel of DS-MP7508



1. Hard disk box
2. A-type USB 3.0 interface
3. Standard USB 2.0 interface
4. Power indicator, Ready indicator
Record indicator, GNSS indicator
ANT indicator, Alarm indicator
5. IR receiver
6. Lock/Unlock the hard disk box.
7. SD card slot

Rear Panel of DS-MP7508



1. WIFI antenna interface
2. CAN interface
3. RS-232 interface
4. EXT.DEV
5. 4-ch alarm inputs, 4-ch sensor in; 1-ch pulse signal input.
6. USB interface of 5-pin aviation plug
7. 6-pin aviation plug for power supply
8. GNSS antenna interface
9. Video inputs
10. Network interface
11. VGA video output interface
12. 3G/4G dialing antenna interface

Order Models

DS-MP7508, DS-MP7508/GW,
DS-MP7508/GW/WI, DS-MP7508/GLF/WI
DS-MP7508/GLF/WI58

DS-MP7508

Mobile DVR

Video/Audio input	
Video input	8-ch TVI cameras Up to 1080p resolution
Video/Audio output	
Video output	1-ch CVBS video output, 1-ch VGA video output
Encoding/Decoding parameters	
Video decoding format	H.264 / H.264+
Recording resolution	1080p/720p/WD1/4CIF/2CIF/CIF
Frame rate	PAL: 1 to 25fps, NTSC: 1 to 30fps
Audio decoding format	G.711
Two-way audio decoding format	G.722
Stream type	Video, Video & Audio
Dual stream	Supported
Storage	
Type	Two 2.5-inch HDDs/SSDs Note: please refer to Hikvision local technical support for recommended HDD/SSD/SD model.
Capacity	Up to 1 TB capacity for each HDD/SSD
Wireless Network	
3G/4G Dialing	WCDMA and FDD-LTE module are supported 1, 3G/4G dialing antenna
Wi-Fi	802.11B/G/N and 802.11AC are selectable
Wireless Network	
3G/4G Dialing	WCDMA and FDD-LTE module optional; One 3G/4G dialing antenna.
Wi-Fi	802.11B/G/N compatible. 1 Wi-Fi antenna.
Navigation Satellite System	
GNSS	1 navigation satellite antenna interface for GPS (Global Positioning System)
External interface	
Sensor-in	4 high/low level signal inputs. 1 pulse signal inputs
Alarm input	4-ch, triggered by high/low level signal
Alarm output	2-ch, relay signal output
Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
Serial interface	1 × RS-232, 1 × RS-422
USB port	Front panel: 1 × standard USB 2.0 and 1 × A-type USB 3.0
Rear panel: 1 × USB 2.0 of 5-pin aviation plug	1 standard SIM/UIM card slot.
SIM card	1 standard SIM/UIM card slot
CAN interface	2
SD card	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
General	
Operating system	Embedded Linux
Operating method	Mouse, IR remote control, and Web control
Power supply	+ 9 to + 32 VDC
Consumption	≤ 20 W
Working temperature	-10 °C to +55 °C (14 °F to 131 °F) with enterprise-class HDD; -20 °C to +60 °C (-4 °F to 140 °F) with industrial-class HDD; Note: for enterprise-class HDD, when the temperature < 0 °C, the heater for HDD is needed.
Working humidity	10% to 95%
Dimensions (W × D × H)	236 × 210 × 73mm (9.3 × 8.3 × 2.9 inch)
Weight	approx. 3Kg (6.6 lb) (without HDDs/SSDs)
(without HDDs/SSDs)	approx. 3 kg (6.6 lb)



Key Features

- Support 4-ch@720p TVI cameras;
- H.264 encoding technology;
- Pluggable network module;
- Built-in GPS module precisely positioning
- Two 2.5-inch HDDs/SSDs for video storage;
- Wide-range power input (9 to 32 VDC);
- Power-off protection prevents key data from loss;
- Hard disk box with USB interface for recordings export;
- Specialized aviation plugs ensure signal stability.
- Manual controller for vehicle tracking

Order Models

DS-MI7504-GA,
DS-MI7504-GA/GW,
DS-MI7504-GA/GLF

DS-MI7504-GA Mobile Enforcement System

Module	Function	Description
Mobile Video Recorder	Operating System	Embedded Linux
	Processor	High-performance embedded processor
	Video Input	4-ch: 1-ch HD-TVI speed dome and 3-ch HD-TVI cameras.
	Video Output	VGA and CVBS
	Max. Encoding Resolution	720p
	USB Interface	1 × USB 2.0
	Wireless Network	Single SIM card or Dual SIM card for 2G/3G/4G.
	Positioning	Built-in high sensitive GPS module;
	Power Supply	9 to 32 VDC.
	Consumption	≤ 20W
	Two-Way Audio	1-ch; 4-pin aviation plug for full-duplex two-way audio device.
	Antenna Interface	1 × 3G and 1 × GNSS SMA antenna interface
	Network Interface	1 × RJ45 10M/100M Ethernet interface
	Dimensions(W×D×H)	202 mm× 256mm × 85.5 mm [8.0"× 10.1 × 3.4"]
	Weight	≤ 2.95 kg (6.5lb)(Without Hard Disks)
	Working Humidity	10% to 95%
PTZ Positioner	Max. Video Resolution	720p
	Optical Zoom	23x
	Image Sensor	1/3" CMOS
	Aperture Range	F1.6 to F3.5
	Focal Length	4 mm to 92mm
	Supplement Light	IR LED
	Working Humidity	≤ 90%
	Protection Level	IP66
	Infrared Distance	100m
	Installation	Using a customized bracket to install.

Front Panel of DS-M5508HNI



1. Hard Disk Box
2. Network Interface
3. USB Interface
4. Indicators
5. IR Receiver
6. Hard Disk Box Lock
7. SD Card Slot



1. Switch Lock
2. Button Area
3. Joystick

Rear Panel of DS-M5508HNI



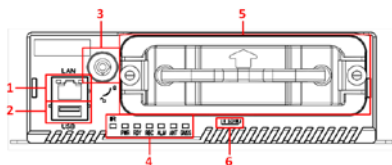
1. 3G/4G Antenna Interface
2. 12-pin aviation plug for manual controller interface
3. 10-pin aviation plug for speed dome interface
4. AV OUT
5. Reserved RS232(6 pin interface)
6. Two-way audio interface
7. 6-pin aviation plug for power supply
8. Satellite positioning (GPS) antenna interface
9. VGA video output interface
10. I/O Interface
11. RS232(6 pin interface)
12. 4-pin aviation plug for audio & video input of channel 2 to 4



Key Features

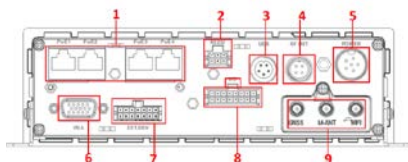
- Supports 4 channels of 1080P IP video input
- 4-channel POE interface
- Pluggable disk box with vibration damping technology
- 2x pluggable 2.5-inch HDDs / SSDs
- 1x SD/SDHC card slot
- Pluggable 3G/4G/Wi-Fi module (optional)
- Standard 1DIN dimensions
- EN50155 certification

Front Panel of DS-M5504HNI



1. LAN Network Interface
2. USB Interface
3. Hard Disk Lock
4. Indicators
5. Hard Disk Box
6. SD Card Slot

Rear Panel of DS-M5504HNI



1. PoE1 to PoE4
2. RS232
3. USB
4. AV OUT
5. POWER
6. VGA
7. EXT. DEV
8. I/O
9. Pluggable Module

Order Models

DS-M5504HNI,
DS-M5504HNI/GW,
DS-M5504HNI/GW/WI,
DS-M5504HNI/GLF/WI

DS-M5504HNI

4-ch Mobile Network Video Recorder

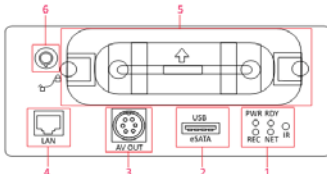
	DS-M5504HNI	DS-M5504HNI/GW	DS-M5504HNI/GW/WI
Video/Audio input			
IP video input	4-ch		
IP audio input	4-ch		
Video/Audio output			
VGA output interface	1-ch VGA interface		
VGA output resolution	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
CVBS output resolution	PAL: 704 × 576, NTSC: 704 × 480		
CVBS output interface	1-ch aviation plug (1.0 Vp-p, 75 Ω) 1-ch RS-422 interface (EXT.DEV interface)		
Video/Audio Decoding			
Video compression	H.264		
Audio compression	G.711		
Resolution	1080p and 720p		
Frame rate	25 fps (PAL)/30 (NTSC)		
Playback	Local playback: single channel playback; Web playback: single channel playback and multi-channel synchronous playback.		
Hard disk			
Hard disk	Hard disk		
Wireless Network			
3G Dialing	Not supported	1 external antenna	
Wi-Fi	Not supported	1 external antenna	
Positioning			
GNSS interface	GPS and optional BDS (BeiDou Navigation Satellite System). 1 positioning antenna.		
External interface			
Sensor-in	4 high/low level signal inputs; 1 pulse signal input (reserved)		
Alarm input	3 high/low level signal inputs		
Alarm output	2 relay signal outputs		
Network interface	1 RJ45 10M/100M self-adaptive Ethernet interface.		
Serial interface	1 RS-232 interface. 1 RS-422 interface, including reserved auto announcer interface.		
USB interface	2 USB2.0 interfaces.		
POE supported	4 RJ45 10M/100M self-adaptive PoE interfaces.		
Two-way audio	1-ch, G. 722		
General			
Operating system	Embedded Linux operation system		
Operating method	Local operation, IR remote control, Web operation		
Power supply	Input: +8 to +36 VDC; Output: +12 VDC/2 A, +5 VDC/1 A		
Consumption	Standby: Max. 0.5W; Full load: Max.20W (without IP cameras or hard disks)		
Working temperature	- 20° C to + 60° C (- 4° F to + 140° F) with industrial-class HDD. Note: for enterprise-class HDD, when the temperature < 0° C, the heater for hard disk is needed.		
Working humidity	10% to 95%		
Dimensions (W×D×H)	1 DIN: 178 mm × 170 mm × 50 mm (7.01" × 6.69" × 1.97")		
Weight (without hard disks)	< 1.6 kg (3.53 lb)		



Key Features

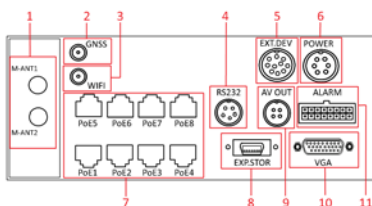
- Supports 8 channels of 1080P IP video input
- 8-channel POE interface
- Pluggable disk box with vibration damping technology
- Two 2.5-inch SATA HDDs / SSDs
- External storage expansion supported
- Pluggable 3G/4G model (optional)
- Built-in Wi-Fi/GPS (optional),
- Built-in G-sensor
- EN 50155 certification

Front Panel of DS-M7508HNI



1. Indicators LAN Network Interface
2. SB Interface, eSATA interface
3. Aviation AV OUT
4. RJ45 10M/100M self-adaptive Ethernet interface
5. Hard disk box (support 2.5-inch SATA HDDs / SSDs)
6. Hard disk box lock

Rear Panel of DS-M7508HNI



1. 3G/4G antenna interfaces (M-ANT2, reserved)
2. GPS antenna interface
3. Wi-Fi antenna interface
4. 5-pin aviation RS232 interface
5. EXT. DEV (audio output, two-way audio and RS-422)
6. Power supply
7. 4-pin RJ45 PoE network interface
8. Connectable to external storage device
9. 4-pin aviation AV OUT
10. VGA interface
11. I/O (including alarm in, alarm out and sensor in)

DS-M7508HNI

Mobile DVR

Video/Audio input	
IP video input	8-ch
Audio input	8-ch
Video/Audio output	
VGA output	1-ch,Resolution: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
CVBS output	3-ch,Aviation plug (1.0 Vp-p, 75 Ω); Resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio output	3-ch, Aviation plug (linear level,600 Ω)
Decoding parameters	
Video compression	H.264
Frame rate	25 fps (PAL)/30 (NTSC)
Audio compression	G.711
Playback	Local playback: single channel playback;
Storage	
Type	Two 2.5-inch HDDs/SSDs Note: please refer to Hikvision local technical support for recommended HDD/SSD/SD model.
Capacity	Up to 1 TB capacity for each HDD/SSD
Wireless Network	
3G/4G Dialing	WCDMA and FDD-LTE module are supported 1, 3G/4G dialing antenna
Wi-Fi	802.11 b/g/n supported, 2.4GHz
Navigation Satellite System	
GNSS	1 navigation satellite antenna interface for GPS
External interface	
Two-way audio	1-ch, G. 722 encoding
Sensor-in	4 high/low level signal inputs; 1 pulse signal input (reserved)
Alarm input	3 high/low level signal inputs
Alarm output	2 signal outputs
Network interface	1 RJ45 10M/100M self-adaptive Ethernet interface.
Serial interface	1 RS-232 interface, 1 RS-422 interface,
USB interface	1 USB2.0 interface on the front panel;
PoE interface	8 RJ45 10M/100M self-adaptive PoE interfaces, 802.3af, Total consumption: 40W
eSATA interface	1
EXP.STOR	Connectable to external HDD for storage expansion (reserved)
SIM card	1, standard SIM card slot
General	
Operating system	Embedded Linux operation system
Operating method	Local operation, IR remote control, Web operation
Power supply	9 to 32 VDC
Consumption	Standby: Max. 0.5W; Full load: Max.20W (without IP cameras or hard disks)
Working temperature	-10 °C to +55 °C (14 °F to 131 °F) with enterprise-class HDD; -20 °C to +60 °C (-4 °F to 140 °F) with industrial-class HDD; Note: for enterprise-class HDD, when the temperature < 0 °C, the heater for HDD is needed.
Working humidity	10% to 90%
Dimensions (W × D × H)	245.8mm×202mm×86.87mm)
Weight	≤ 3.5kg (7.72 lb) (without hard disk)

Order Models

DS-M7508HNI
DS-M7508HNI/GW
DS-M7508HNI/GW/WI
DS-M7508HNI/GLF/WI



Key Features

- Supports 16 channels of 1080P IP cameras connection
- Pluggable disk box with anti-vibration design 3 hard drive caddies for 6* 2.5 inch SATA HDDs/SSDs
- Pluggable 3G/4G model
- Built-in Wi-Fi/GPS, IP54 ingress protection, Wide-range power supply: 60 VDC to 160 VDC, 110 VDC(recommended) Supports software-based firewall
- EN50155 certification

Front Panel of DS-MP3516-RS



- | | |
|----------------------|--------------------------|
| 1. GNSS, WIFI, M-ANT | 9. RS232 |
| 2. IR | 10. A OUT |
| 3. Indicators | 11. V OUT |
| 4. SIM | 12. LINE |
| 5. LAN1 | 13. LAN2 |
| 6. USB1, USB2 | 14. 110 VDC |
| 7. ALARM&RS422 | 15. Lock |
| 8. VGA | 16. Hard Drive Enclosure |

Order Models

DS-MP3516-RS
DS-MP3516-RS/GW

DS-MP3516-RS

Rail NVR

	DS-MP3516-RS	DS-MP3516-RS/GW
System		
Operating system	Linux	
Main chip	NETRA 8165	
Operating method	Local control, IR remote control, and embedded Web server	
Video/Audio input		
Video input	16-ch	
Audio input	16-ch	
Video/Audio output		
CVBS output	1-ch	
	BNC interface	
VGA output	1-ch	
	Resolution: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
Audio output	1-ch	
	BNC interface	
Video/Audio compression		
Video compression	H.264	
Audio compression	G.711	
Recording resolution	1080p/720p	
Video frame rate	PAL: 1 to 25 fps, NTSC: 1 to 30 fps	
Stream type	Video, Video and Audio	
Two-way audio	G.722	
	Aviation plug	
Playback	Local playback: single channel playback; Web playback: single channel playback and multi-channel synchronous playback.	
Hard disk		
Hard disk	3 hard drive caddies; 3 × 2.5 inch (height: 9.5mm) SATA HDDs/SSDs 6 × 2.5 inch (height: 7mm) SATA HDDs/SSDs	
Wireless Network		
Dialing	3G (WCDMA)	
Wi-Fi	Built-in, 802.11 b/g/n supported, 2.4GHz	
Positioning		
GNSS	GPS	
External interface		
Alarm input	8-ch relay signal input	
Alarm output	2-ch relay signal output	
Network interface	2 × 10M/100M/1000M self-adaptive Ethernet interface. One M12 interface for IP camera, and one RJ45 for debugging.	
USB interface	2 × USB3.0	
Serial interface	1 × D89	
Power supply		
Consumption	Standby: Max. 0.5W; Full load: Max.20W (without IP cameras or hard drives)	
Input	110 VDC (60 to 160 VDC)	
Output	12 VDC/2A, 5 VDC/2A	
General		
Working temperature	Commercial application: -10 to +55° C (+14 to +131° F) Industrial application: -20 to +60° C (-4 to +140° F)	
Working humidity	10% to 95%	
Dimensions (W×D×H)	482 × 89.5 × 221.8mm (19.0 × 3.5 × 8.7")	
Weight (without hard drives)	Aprox.6.5kg (14.3lb)	



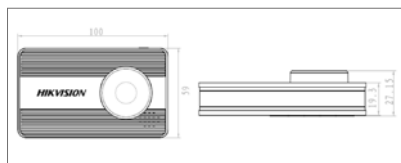
AE-DN2016-F1

1080P HD Dashboard Camera

Key Features

- Up to 1080P full HD camera, wide field angle up to 135°(diagonal)
- Support built-in MIC and speaker for audio in and out
- Built-in WIFI module and WIFI AP function supported
- Built-in G-Sensor module
- SD card for video recording, up to 128GB
- Phone App: live view, record playback and configuration
- Bluetooth control optional
- Magnetic connection between camera and bracket, easy for disassemble
- Easy installation and user friendly, plug and play

Dimension (unit: mm)



Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	0.001 Lux @(F1.2,AGC ON)
Camera Resolution	1080P(1920*1080)
View Angle	135°(diagonal), 115°(horizontal)
Recording Resolution	1080P@30fps, 720P@30fps (720P default)
Video Compression	H.264
Picture Format	JPEG
OSD Overlay	Date, time, GPS(longitude and latitude), speed
Screen	2.4 inch, resolution: 320*240
Storage	1 TF card, up to 128GB
Communication module	WIFI, Bluetooth
Sensor	Built-in G-sensor, GPS(optional)
Interfaces	
USB port	1 USB2.0
Audio	Built-in MIC and speaker
General	
Working Temperature/ Humidity	-10°C to 60°C (14°F to 140°F), Humidity 95% or less (non-condensing)
Power Supply	5VDC 2A
Power Consumption	MAX. 2W
Battery Capacity	220mAh
Dimension	44.5mm×44.5mm×52mm (1.75"×1.75"×2.47")
Weight	Approx. 120g (0.265lb)

Order Models

AE-DN2016-F1



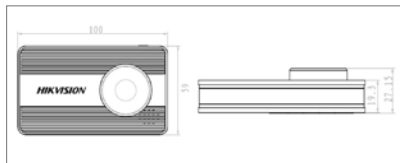
AE-DN2223-C2

1080P HD Dashboard Camera

Key Features

- 1 1080P full HD main camera, wide field angle up to 148°(diagonal)
- 1 TVI/CVBS second camera optional (IR and water-proof optional)
- Support built-in MIC and speaker for audio in and out
- GPS module optional and longitude ,latitude and speed overlay on picture
- 4G module optional; Built-in WIFI module and WIFI AP function supportedBuilt-in G-Sensor module,
- TF card for video recording, up to 128GB (Overwriting supported)
- MP4 recoding format , playback via universal player
- Bluetooth control optional

Dimension (unit: mm)



Accessories



Bracket



Charger



USB Cable

Order Models

AE-DN2223-C2

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	0.001 Lux @(F1.2,AGC ON)
Camera Resolution(Main)	1080P(1920*1080)
Second Camera	720P@25/30fps,VGA@30fps (IR and water-proof optional)
View Angle	140°(diagonal), 120°(horizontal)
Recoding Resolution	1080P@30fps, 720P@30fps (720P default), 720P@60fps(support customization)
Video Compression	H.264
Picture Format	JPEG (Picture quality can be configured)
OSD Overlay	Date, time, GPS(longitude and latitude), speed
Screen	2.4 inch, resolution: 320*240
Storage	1 TF card, up to 128GB
Communication module	WIFI,4G(Optional)
Sensor	Built-in G-sensor, GPS(optional)
Interfaces	
Video Output	TV-OUT,HDMI
USB Port	1 USB2.0
Serial Port	1 RS232
I/O Port	1 I/O input, 1 I/O output
Audio	Built-in MIC and speaker
General	
Working Temperature/ Humidity	-20°C to 60°C (-4°F to 140°F), Humidity 95% or less (non-condensing)
Power Supply	5VDC 2A
Power Consumption	MAX. 6W
Battery Capacity	550mAh
Dimension	100mm×59mm×19.3mm (3.94"×2.32"×0.76")
Weight	Approx. 110g (0.242lb)



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