



# NETWORK PRODUCTS

IPS 025 / 030 / 035

25X / 30X / 35X Outdoor Super High Resolution Day & Night Fast IP Dome  
Camera Series



# IPS 025 / 030 / 035

Network Products  
Full D1 IP Fast Dome Camera

## 25X / 30X / 35X Outdoor Super High Resolution Day & Night Fast IP Dome Camera Series



### Features

- 25X Optical Zoom Lens (3.43 ~ 85.7 mm) / 30X Optical Zoom Lens (3.43 ~ 102.9 mm) / 35X Optical Zoom Lens (3.43 ~ 120 mm)
- 520 Horizontal TV Lines
- Automatic / Manual Iris Control
- Preset ID / Name
- Preset Background Environment File
- Private Mask
- Up to 128 Programmable Preset Positions
- RS-485 Control Interface
- Up to 256 Fast Dome Configuration
- True H.264 AVC/MPEG-4 Part 10 Real-Time Video Compression
- Full D1 Resolution at 720 \* 480 (NTSC)/720 \* 576 (PAL) in Live Monitoring
- iPhone and Android support

### Dimensions $\Phi$ 210 mm x 326 mm



(Unit:mm)

IP FAST DOME CAMERA SERIES								
25X / 30X / 35X Outdoor Super High Resolution Day & Night Fast Dome IP Camera Series								
	Model	IPS0254N/0258N	IPS0304N/0308N	IPS0354N/0358N	IPS0254P/0258P	IPS0304P/0308P	IPS0354P/0358P	
	System	NTSC			PAL			
General	Power Supply	IPS0254/0304/0354: AC 24V±10%			IPS0258/0308/0358: AC 100~240V			
	Power Consumption	25 W (Heater : ON)						
	Image Pick-up Device	Sony 1/4" Exview HAD CCD			752 (H) x 582 (V)			
	Effective Pixels	768 (H) x 494 (V)			752 (H) x 582 (V)			
	Scanning System	15.734 KHz (H) , 59.94 Hz (V)			2:1 Interlace			
	Scanning Frequency	15.734 KHz (H) , 59.94 Hz (V)			15.625 KHz (H) , 50 Hz (V)			
	Synchronization	Internal / Line Lock Selectable						
	Video Output	CVBS 1.0 Vp-p / 75 $\Omega$ BNC						
	Horizontal Resolution	Color : 520 TV Lines/Mono: 580 TV Lines						
	Signal to Noise Ratio	More Than 50 dB ( AGC : Off )						
	Minimum Illumination	Color : 0.1 Lux at F1.6/Mono: 0.01 Lux at F1.6						
	IP Rating	IP 66						
	Ambient Operation Temperature	-10°C ~ +50°C (14°F ~ 122°F)						
	Operating Humidity	0% ~ 90%						
	Pan & Tilt	Dimensions	326 mm (H) x 210 mm (D)					
Weight		3400 g						
Heater Activation		On: 15 , Off: 25						
Fan Activation		On: 35 , Off: 25						
Panning Range		360°Endless						
Panning Mode		Manual , Auto , Manual Position , Sequential Position						
Panning Speed		Manual Approx. 0.15°/s ~ 120°/s 8 Steps, 16 Steps / Preset Approx. 1°/s ~ 255°/s, Alarm Trigger Speed 360°/s						
Tilting Range		-6° ~ +96°						
Tilting Mode		Manual , Auto , Manual Position , Sequential Position						
Tilting Speed		Manual Approx. 0.15°/s ~ 120°/s 8 Steps, 16 Steps / Preset Approx. 1°/s ~ 255°/s, Alarm Trigger Speed 360°/s						
Control Interface		RS-485 Transmission						
Control Function		Pan and Tilt / Zoom and Focus / Iris and ICR / 128 Preset Position / Home Position / Patrol						
Character Display		On / Off ( Preset ID : 16 Alphanumeric Characters , Zoom Ratio , Alarm Message , Date / Time , Pan / Tilt Angle )						
Main Function		Zoom Speed	0 ~ 7 Selectable [ 7: Approx. 3.0 Second ( Tele to Wide ) in Manual Mode ]	0 ~ 7 Selectable [ 7: Approx. 3.5 Second ( Tele to Wide ) in Manual Mode ]	0 ~ 7 Selectable [ 7: Approx. 4.0 Second ( Tele to Wide ) in Manual Mode ]	0 ~ 7 Selectable [ 7: Approx. 3.0 Second ( Tele to Wide ) in Manual Mode ]	0 ~ 7 Selectable [ 7: Approx. 3.5 Second ( Tele to Wide ) in Manual Mode ]	0 ~ 7 Selectable [ 7: Approx. 4.0 Second ( Tele to Wide ) in Manual Mode ]
		Focus Speed	Slow / MID. / Fast Selectable [ Fast : Approx. 2.0 Second ( Far to Near ) in Manual Mode ]					
	Auto Focus	Auto / One Push						
	Iris	ALC ( Adjustable Output Target Level ) / Manual						
	IR Cut filter	Yes						
	Password Lock	Function Setup						
	Electronic Shutter Speed	Auto / Manual Selectable ( 1/60 ~ 1/100,000 sec )			Auto / Manual Selectable ( 1/50 ~ 1/100,000 sec )			
	Back Light Compensation	On / Off Selectable						
	White Balance	ATW / PUSH / MWB Selectable						
	Auto Gain Control	0 ~ 36 dB Selectable						
	Auto Mode	OFF / AUTO / SEQ / TOUR / PATROL ( STOP / PLAY / LEARN )						
	Privacy Zone	On / Off Selectable ( Up to 8 Zones Settings )						
	Image Mirror	On / Off Selectable						
	Image Negative	On / Off Selectable						
	Peripheral Products	Alarm Input / Output	6 Input [ Alarm In 1 ~ 6 ( NC / NO ) ] , 1 Output ( Alarm Out NC / NO )					
Schedule Setting		Alarm Input / Auto Mode / Daylight Saving Time						
Peripheral Bracket	CPM collocates with PIH-520L / PIH-520LB / PIH-520L / PIH-520G / PIH-520HB / PIH-510CPM collocates with PIH-520LB(520HB)							
25X Lens	Zoom Ratio	25X Optical Zoom						
	Focal Length	3.43 mm ~ 85.7 mm						
	Maximum Aperture Ratio	1 : 1.6 (Wide) ~ 3.7 (Tele)						
	Minimum Object Distance	1.5 m (Tele)						
	Iris Range	F1.6 ~ 360 , Close						
30X Lens	Angle Field of View	Wide : 68.6°(D) 57.8°(H) 43.7°(V) / Tele : 3.12°(D) 2.53°(H) 1.83°(V)						
	Zoom Ratio	30X Optical Zoom						
	Focal Length	3.43 mm ~ 102.9 mm						
	Maximum Aperture Ratio	1 : 1.6 (Wide) ~ 4.1 (Tele)						
	Minimum Object Distance	1.5 m (Tele)						
35X Lens	Iris Range	F1.6 ~ 360 , Close						
	Angle Field of View	Wide : 68.6°(D) 57.8°(H) 43.7°(V) / Tele : 2.60°(D) 2.10°(H) 1.53°(V)						
	Zoom Ratio	35X Optical Zoom						
	Focal Length	3.43 mm ~ 120 mm						
	Maximum Aperture Ratio	1 : 1.6 (Wide) ~ 4.5 (Tele)						
35X Lens	Minimum Object Distance	1.5 m (Tele)						
	Iris Range	F1.6 ~ 360 , Close						
	Angle Field of View	Wide : 68.6°(D) 57.8°(H) 43.7°(V) / Tele : 2.23°(D) 1.70°(H) 1.30°(V)						

Notice: Please refer appendixes to see network function specifications.

Design and specifications are subject to change without notice.





# APPENDIXES

NETWORK	
Video Compression	H.264/AVC Main Profile , Level 3 (I / P / B frames) , Motion JPEG
Resolution	Full D1 : 720 x 480 (NTSC) / 720 x 576 (PAL)
	CIF : 352 x 240 (NTSC) / 352 x 288 (PAL)
Frame Rate	H.264 : up to 30/25 FPS at full D1 resolution
	JPEG : 1 FPS at CIF
Video Streaming	Simultaneous Motion JPEG and H.264 AVC Main Profile
	Program Stream (PS) and Transport Stream (TS)
OSD Image Watermark	Time / Date and Camera Title
Audio Compression	G.711 / AAC
Video Bitrate	3 Mbps to 56 Kbps
	Frame rate and bitrate controllable on-the-fly
	VBR / CBR supported
CAVLC/CABAC	Supported
Security	Base64 HTTP encryption
	Multiple user access levels with password protection
	10 user accounts available
Users	8 simultaneous unicast users (H.264)
	8 simultaneous HTTP users (H.264)
	8 simultaneous HTTP users (JPEG)
	Unlimited users using multicast (H.264)
Motion	15*10 motion detection zone
	Image upload over FTP and e-mail by motion detection
CPU, Memory	Embedded SoC ARM926 , 166 Mhz , 64MB DDR , 4 MB flash memory
Maintenance	Firmware update via HTTP
	Firmware available at web site
Network Interface	10Mbps / 100Mbps , RJ-45
Client PC Requirement	OS : Windows 2000 , Windows XP , Windows Vista
	Browser : Windows Internet Explorer 5.0 or above
	CPU : Intel Pentium 4 1.8GHz or above
	RAM : 1GB or above , Independent Display Card
Onvif	Onvif supported
Network Protocols	IP,TCP,UDP,HTTP,SMTP,ESMTP,NTP,DDNS,FTP,ARP,DHCP,PPPoE, DNS,Telnet,RTP,RTSP,RTCP
Mobile Phone and PDA Support	iPhone and Android support
System Integration	HTTPAPI / CMX downloadable
Video Display	VLC : H.264 HTTP , unicast , and multicast streaming
	ActiveX : for JPEG
OS	Embedded Linux 2.6.9
Alarm Input / Output	1 input / 1 Output ( N.O. / N.C. )