



Creativity Progress & Excellence

Network Product





IPS212

IMEGAPRO

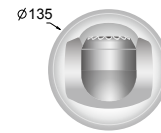
12X Day & Night IR Speed Dome IP Camera



Features

- 12X Optical Zoom Lens (3.8 – 45.6mm)
- True H.264 AVC/MPEG-4 Part 10 Real-Time Video Compression
- Higher Horizontal Resolution of 540 TV Line
- Privacy Zone Masking
- Auto Focus Lens
- Horizontal Flip
- Auto Panning with Auto Scan or Seq. or Tours
- 360° Endless Panning
- Multi-Protocol
- iPhone and Android Supported

Dimension $\Phi 135$ mm x 142 mm



(Unit:mm)

SPEED DOME IP CAMERA SERIES				
2.6X / 12X Day & Night IR Speed Dome IP Camera Series				
	Model	NTSC IPS2124N	IPS2128N	
		PAL IPS2124P	IPS2128P	
General	Power Supply	AC 24V $\pm 10\%$ AC 100V – 240V		
	Power Consumption	13 Watts		
	Image Pick-up Device	Sony 1/4" Super HAD CCD		
	Effective Pixels	768 (H) x 494 (V) NTSC / 752 (H) x 582 (V) PAL		
	Scanning System	2:1 Interlace		
	Scanning Frequency	15.734 KHz (H) , 59.94 Hz (V) NTSC / 15.625 KHz (H) , 50 Hz (V) PAL		
	Synchronization	Internal		
	Video Output	CVBS 1.0 Vp-p / 75 Ω BNC		
	Horizontal Resolution	Color : 540 TV Lines , Mono : 600 TV Lines		
	Signal to Noise Ratio	More Than 50 dB (AGC : Off)		
	Minimum Illumination	Color : 0.3 Lux at F1.6 , Mono : 0 Lux (IR ON)		
	Ambient Operation Temperature	-10°C – +50°C (14°F – 122°F)		
	Operating Humidity	0% – 90%		
	Infrared LED	Peak Wavelength	850nm	
		Beam Spread	30°	
		Radiant Distance	16M	
	Dimensions	142 mm (H) x 135 mm (D)		
	Weight	1100g		
Pan & Tilt	Panning Range	360° Endless		
	Panning Mode	Manual , Auto , Manual Position , Sequential Position		
	Panning Speed	Manual Approx. 0.5°/s – 90°/s 8 Steps, Preset Approx. 1°/s – 120°/s		
	Tilting Range	0° – 90°		
	Tilting Mode	Manual , Auto , Manual Position , Sequential Position		
Lens	Tilting Speed	Manual Approx. 0.5°/s – 90°/s 8 Steps, Preset Approx. 1°/s – 120°/s		
	Zoom Ratio	12X Optical Zoom		
	Focal Length	3.8 mm – 45.6 mm		
	Maximum Aperture Ratio	1 : 1.6 (Wide) – 2.7 (Tele)		
	Minimum Object Distance	1 m (Tele)		
	Iris Range	F1.6 – F3/360		
Angle Field of View	Wide : 65.4°(D) 52.8°(H) 39.7°(V) Tele : 5.54°(D) 4.49°(H) 3.40°(V)			
Main Function	Control Interface	RS-485 Half-Duplex		
	Control Function	Pan and Tilt / Zoom and Focus / Iris and ICR / 128 Preset Position / Home Position		
	Character Display	On / Off (Preset ID : 16 Alphanumeric Characters , Zoom Ratio , Date / Time , Pan / Tilt Angle)		
	Zoom Speed	1 – 15 Selectable [15 : Approx. 6.0 Second (Tele to Wide) in Manual Mode]		
	Focus Speed	1 – 15 Selectable [15 : Approx. 3.0 Second (Far to Near) in Manual Mode]		
	Focus	Auto / One Push		
	Iris	ALC (Adjustable Output Target Level)		
	Day & Night	Day (Color) / Night (Mono) / Auto (ICR Filter Function) / Schedule		
	Password Lock	Camera Advance / Presets / Privacy Zones / Factory Initial Auto / Manual Selectable (1/60 – 1/100,000 sec) NTSC / Auto / Manual Selectable (1/50 – 1/100,000 sec) PAL		
	Electronic Shutter Speed	Auto / Manual Selectable (1/50 – 1/100,000 sec) PAL		
	Back Light Compensation	On / Off Selectable		
	White Balance	ATW / MWB Selectable		
	Auto Gain Control	0 – 36 dB Selectable		
	Auto Mode	OFF / AUTO / SEQ / TOUR		
	Privacy Zone	On / Off Selectable (Up to 4 Zones Settings)		
	Image Mirror	On / Off Selectable		
	Protocol Support	Multi-Protocol		
	Schedule Setting	Day & Night / Auto Mode / Daylight Saving Time		
	Peripheral Products	PoE Injector	IJ5056D 50W	
		PoE Splitter	SL4012D 40W	

H.264 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 8 simultaneous unicast users (H.264) 8 simultaneous HTTP users (H.264) 8 simultaneous HTTP users (JPEG) Unlimited users using multicast (H.264)
Users	15x10 motion detection zone Image upload over FTP and e-mail by motion detection
Motion	Embedded SoC ARM926 , 166 Mhz , 64MB DDR , 4 MB flash memory Firmware update via HTTP Firmware available at web site
CPU, Memory	10Mbps / 100Mbps , RJ-45
Maintenance	OS : Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8 Browser : Windows Internet Explorer 6.0 or above CPU : Intel Pentium 4 1.8GHz or above RAM : 1GB or above , Independent Display Card
Network Interface	ONVIF supported
Client PC Requirement	ONVIF supported
ONVIF	Network Protocols IP,TCP,UDP,HTTP,SMTP,ESMTP,NTP,DDNS,FTP,ARP,DHCP,PPPoE,DNS,Telnet,RTP,RTSP,RTCP
Network Protocols	iPhone and Android support
Mobile phone Support	HTTPAPI / CMX downloadable
System Integration	VLC : H.264 HTTP , unicast , and multicast streaming ActiveX : for JPEG
Video Display	Embedded Linux 2.6.9
OS	