



Creativity Progress & Excellence

Network Product





IPS212

12X Day & Night IR Speed Dome IP Camera

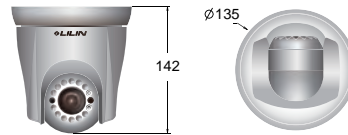


Features

- 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
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	
	Tilting Speed	Manual Approx. 0.5°/s ~ 90°/s 8 Steps, Preset Approx. 1°/s ~ 120°/s	
Lens	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	F/1.6 ~ F/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)	
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	
Electronic Shutter Speed		Auto / Manual Selectable (1/60 ~ 1/100,000 sec) NTSC / 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	I5056D 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 3 Mbps to 56 Kbps
Video Bitrate	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	15x10 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.)