

**IPS 2124/2128**

- ✦ 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 Function
- ✦ Auto Focus Lens
- ✦ Horizontal Flip Function
- ✦ Auto Panning Function with Auto Scan or Seq. or Tours
- ✦ 360° Endless Panning
- ✦ Multi-Protocol
- ✦ Free Java Phone, Windows Mobile, and PDA Software Support



**Specifications**

✦ 12X Super High Resolution IR Fast Dome IP Camera Series

		IPS2124N	IPS2128N	IPS2124P	IPS2128P
Model		IPS2124N	IPS2128N	IPS2124P	IPS2128P
System		NTSC		PAL	
Power Supply		AC 24V ± 10%	AC 100V ~ 240V ± 10%	AC 24V ± 10%	AC 100V ~ 240V ± 10%
Power Consumption		13 W			
Image Pick-up Device		Sony 1/4" Super HAD CCD			
Effective Pixels		768 (H) x 494 (V)		768 (H) x 494 (V)	
Scanning System		2:1 Interlace			
Scanning Frequency		15.734 KHz (H) , 59.94 Hz (V)		15.625 KHz (H) , 50 Hz (V)	
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 : 0.5 Lux at F1.9 , 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	16M			
	Radiant Distance	30°			
Dimensions		142 mm (H) x 135 mm (D)			
Weight		1100g			
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			
Zoom Ratio		12X Optical Zoom			
Focal Length		3.8 mm ~ 45.6 mm			
Minimum 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 )			

**Specifications**

✦ 12X Super High Resolution IR Fast Dome IP Camera Series

		RS-485 Half-Duplex
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 ]
	Auto Focus	Auto / One Push
	Iris	ALC ( Adjustable Output Target Level ) / Manual
	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 )   Auto / Manual Selectable ( 1/50 ~ 1/100,000 sec )
	Back Light Compensation	On / Off Selectable
	White Balance	ATW / MWB Selectable
	Auto Gain Control	0 ~ 36 dB Selectable
	Auto Mode	OFF / AUTO / SEQ / TOUR
	Network Function	Privacy Zone
Image Mirror		On / Off Selectable
Schedule Setting		Day & Night / Auto Mode / Daylight Saving Time
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)
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		5 simultaneous unicast users (H.264) 5 simultaneous HTTP users (H.264) 5 simultaneous HTTP users (JPEG) Unlimited users using multicast (H.264)
Motion		Events triggered by built-in motion detection 15*10 motion detection zone Image upload over FTP and e-mail by motion detection
Audio		Mono , MPEG-4 AAC , 48 KHz , 96 Kbps
CPU, memory		Embedded SoC ARM926 , 166 Mhz , 64MB DDR , 4 MB flash memory
Web PTZ control		Pan , tilt , zoom in / out , absolute position, and video-click-n-move
PTZ preset scheduling	Yes, via web interface	
Maintenance	Firmware update via HTTP Firmware available at web site	
Network Interface	10Mbps / 100Mbps , RJ-45	
Client PC requirement	OS	OS : Windows 2000 , Windows XP , Windows Vista
	Browser	Browser : Windows Internet Explorer 5.0 or above CPU : Intel Pentium 4 1.8GHz or above RAM : 512MB or above
Network protocols	IP , TCP , UDP , HTTP , SMTP , ESMTTP , NTP , DDNS , FTP , ARP , DHCP , PPPoE , DNS , Telnet	
Mobile phone and PDA support	Free eMobile software for Java mobile phone , Windows Mobile 5/6 , and PDA	
System integration	3GPP H.264 w/ video and audio via Podcast , compatible with CorePlayer HTTPAPI downloadable	
Video display	VLC : H.264 HTTP , unicast , and multicast streaming ActiveX : for JPEG	
OS	Embedded Linux 2.6.9	