

IPS 3124/3128

- ⊗ 12X Optical Zoom Lens (3.8 ~ 45.6mm)
- ⊗ 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



Specifications

⊗ 12X Day & Night Super High-Resolution Fast Dome IP Camera Series

Model	IPS3124N	IPS3128N	IPS3124P	IPS3128P
System	NTSC		PAL	
Power Supply	AC 24V ±10%	AC 100V ~ 240V ±10%	AC 24V ±10%	AC 100V ~ 240V ±10%
Power Consumption	11.5 W			
Image Pick-up Device	Sony 1/4" Super HAD CCD			
Effective Pixels	768 (H) x 494 (V)		752 (H) x 582 (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 : 0.3 Lux at F1.6 , Mono : 0.06 Lux at F1.6			
Ambient Operation Temperature	- 10°C ~ + 50°C (14°F ~ 122°F)			
Operating Humidity	0% ~ 90%			
Dimensions	164 mm (H) x 135 mm (D)			
Weight	1150g			
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			
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)			

Specifications

⊗ 12X Day & Night Super High-Resolution Fast Dome IP Camera Series

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
Privacy Zone	On / Off Selectable (Up to 4 Zones Settings)
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 Full D1 : 720 x 480 (NTSC) / 720 x 576 (PAL)
Resolution	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) 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	5 simultaneous unicast users (H.264) 5 simultaneous HTTP users (H.264) 5 simultaneous HTTP users (JPEG) Unlimited users using multicast (H.264)
Alarm/motion	Events triggered by built-in motion detection 15*10 motion detection zone PTZ preset triggered by external inputs Image upload over FTP and e-mail by motion detection and external alarm inputs
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 : Windows 2000 , Windows XP , Windows Vista 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 3GPP H.264 w/ video and audio via Podcast , compatible with CorePlayer
System integration	HTTTPAPI downloadable
Video display	VLC : H.264 HTTP , unicast , and multicast streaming ActiveX : for JPEG
OS	Embedded Linux 2.6.9