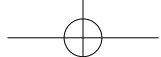




IP Product

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H.264 AVC Video Compress Introduction

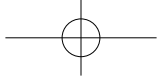
Our IP products are almost build-in H.264 AVC video compression. H.264 AVC (Advanced Video Coding) video compression engine provides high video quality, full D1 resolution, bandwidth efficiency, and real-time streaming. The cutting edge of H.264 AVC main profile encoding technology can provide better compression rate and superior video quality at 56 Kbps to 3 Mbps bit rate. Dual streaming design, JPEG and H.264 AVC allow to stream video at low bandwidth (Internet) and high bandwidth (LAN) for optimizing video quality. Low latency design for both Intranet and Internet is a key factor of operating PTZ. Four PTZ web interfaces including lens absolute positioning are designed for easy-to-use purpose.

Key Features

- 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
- Full duplex H.264 AVC and JPEG streaming
- HTTP ServerPush, UDP unicast, and UDP multicast supported
- Motion detection engine for image alarm notification via Email or FTP
- Built-in HTTP server for easy-to-use remote surveillance
- Absolute lens positioning controlled from web interface
- Constant bit rate (CBR)/variable bit rate (VBR) supported
- H.264 AVC I, B, and P frames supported
- Bit rate adjustable
- I and B frame periods adjustable
- Network time protocol (NTP) supported
- Dynamic DNS (DDNS) supported
- Quality of Service (QoS) for bandwidth optimization
- HTTPAPI software integration provided
- Free Java Phone, Window Mobile, and PDA software support



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IP CCTV Architecture Using Poe



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IPR 454/458

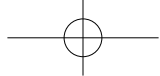
- ✦ Radiant distance up to 60m
- ✦ True H.264 AVC/MPEG-4 part 10 real-time video compression
- ✦ Full D1 resolution at 720x480(NTSC) / 720x576(PAL) in live monitoring
- ✦ High Quality ED Glass Lens
- ✦ Cable Managed Housing and Bracket
- ✦ IP66 Weather Rating
- ✦ Automatically Activates LED: Below 10 Lux
- ✦ Choice of Resolutions and Lenses
- ✦ Free eMobile s/w for Java mobile phone, Windows Mobile 5/6, and PDA
- ✦ Support Network protocol: IP, TCP, UDP, HTTP, SMTP, ESMT, NTP, DDNS, FTP, ARP, DHCP, PPPoE, DNS, Telnet



Specifications

✦ D/N Super Hi-Res. Vari-Focal Infrared IP Camera

Model		NTSC	IPR454XWN	IPR454XSN	IPR458XWN	IPR458XSN
		PAL	IPR454XWP	IPR454XSP	IPR458XWP	IPR458XSP
Power Input Voltage			AC 24V $\pm$ 10%		AC100 ~ 240V	
Lens	Focal Length		3.3~12 mm	9~22 mm	3.3~12 mm	9~22 mm
	Iris		F1.4			
	Angle of View	H	89.8° ~ 23.9°	32.1° ~ 13.1°	89.8° ~ 23.9°	32.1° ~ 13.1°
		V	63.6° ~ 17.9°	23.3° ~ 9.8°	63.6° ~ 17.9°	23.3° ~ 9.8°
		D	125.7° ~ 29.9°	41.9° ~ 16.3°	125.7° ~ 29.9°	41.9° ~ 16.3°
Power Input Voltage			AC 24V $\pm$ 10%		AC100 ~ 240V	
Pick Up Element			1/3" Super HAD CCD Sensor			
Effective Pixels			768(H) x 494(V) [NTSC] , 752(H) x 582(V) [PAL]			
Chip size			5.59mm(H) x 4.68mm(V)			
H/V Sync. Frequency			15.734KHz / 59.94Hz [NTSC] , 15.625KHz / 50Hz [PAL]			
Sync. Mode			Internal			
Scanning System			2:1 Interlace			
Infrared Cut Filter			Auto / Schedule / Day (Color) / Night (Mono)			
Resolution			Color : 540 TV Lines , Mono : 600 TV Lines			
Min. Illumination			Color : 0.05 Lux at F1.4 , 0 Lux with IR Mono : 0.01 Lux at F1.4			
S/N Ratio			More than 50dB (AGC-OFF)			
Auto Gain Control			36dB Variable Gain			
White Balance			ATW			
Aperture Gain Correction			Horizontal , Vertical			
Electronic Shutter			1/60S ~ 1/100,000S (Auto)			
Back Light Compensation			Auto			
Video Output			CVBS 1.0Vp-p/75Ω			
Gamma Characteristic			γ =0.45			
Power Consumption			17W			
IR Rating			IP66			
Window			Φ 78 Heat Resistant Glass			
Infrared LED	Peak Wavelength		850nm			
	Beam Spread		50M	60M	50M	60M
	Radiant Distance		30°			



Specifications

D/N Super Hi-Res. Vari-Focal Infrared IP Camera

IP Rating	IP 66
Operating Temperature	-10°C ~ + 50°C (14°F ~122°F)
Dimension	Body : 120mm(W) x 112mm(H) x 387mm(D) / Bracket : 211.5mm(L)
Weight	2200g
Network	
Video Compression	H.264/AVC Main Profile , Level 3 (I / P / B frames) , Motion JPEG
Video Compression	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	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
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
	AM : 512MB or above
Network Protocols	IP,TCP,UDP,HTTP,SMTP,ESMTP,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 via Podcast , compatible with CorePlayer
System Integration	HTTPAPI 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.)

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IP PRODUCT

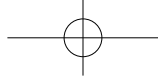
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MARTIX & KEYBOARD

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Electronization

Main Functions

8 Language OSD



2.6X, 12X Optical Zoom Lens



Day & Night



Dynamic Privacy Masking



Application Place



Airport



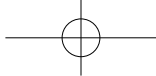
Subway



Hotel



Department Store



Electronization



Main Functions

8 Language OSD



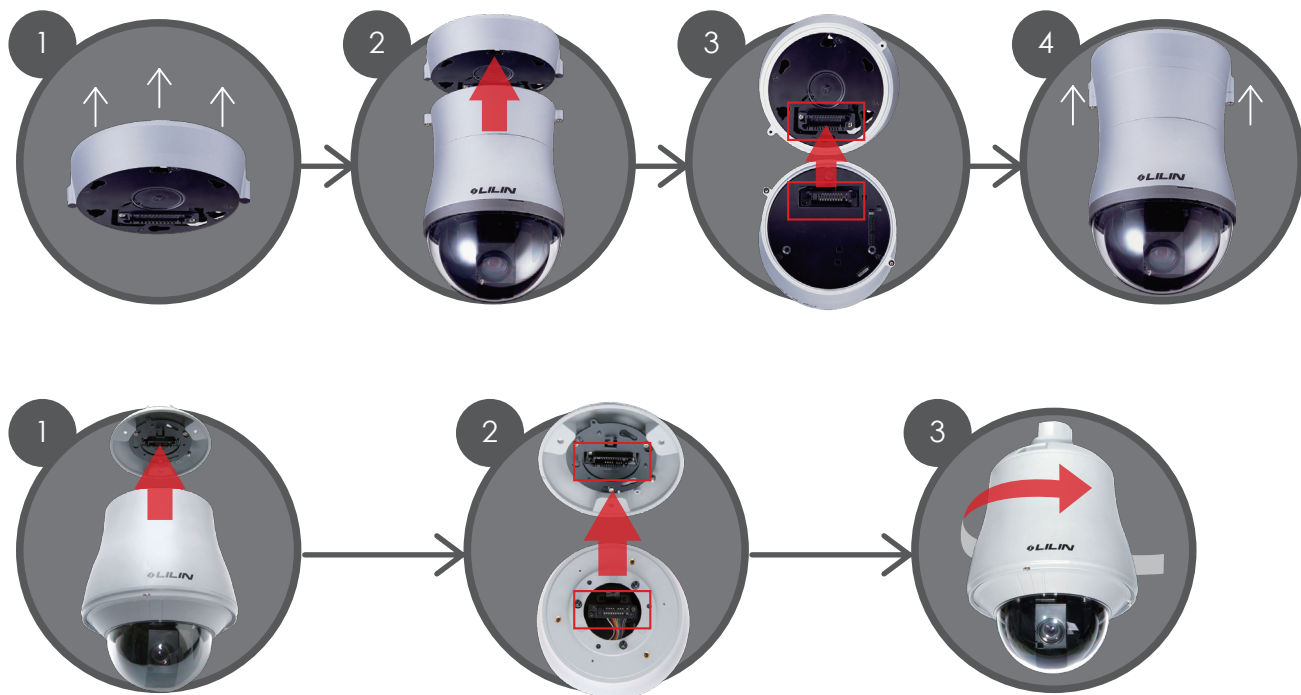
25X, 30X, 35X Optical Zoom Lens



Day & Night



Easy Installation



(Only for AC 24V Model)

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IPS 2034/2038

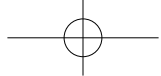
- ✦ 2.6X Optical Zoom Lens(2.8 ~ 7.3 mm)
- ✦ True H.264 AVC/MPEG-4 Part 10 Real-Time Video Compression
- ✦ Privacy Zone Masking Function
- ✦ Higher Horizontal Resolution of 540 TV Line
- ✦ Auto Focus Lens
- ✦ Horizontal Flip Function
- ✦ Auto Panning Function with Auto Scan or Seq. or Tours
- ✦ 360° Endless Panning
- ✦ Multi-Protocol
- ✦ Free Java Phone, Windows Mobile, and PDA Software Support



Specifications

✦ 2.6X Super High Resolution IR Fast Dome IP Camera Series

General	Model		IPS2034N		IPS2038N		IPS2038N		IPS2038P	
	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)				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 : 0.5 Lux at F1.9 , Mono : 0 Lux (IR ON)							
	Ambient Operation Temperature		- 10℃ ~ + 50℃ (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							
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		2.6X Optical Zoom							
	Focal Length		2.8 mm ~ 7.3 mm							
	Minimum Aperture Ratio		1 : 1.9 (Wide) ~ 3.1 (Tele)							
	Minimum Object Distance		0.6 m							
	Iris Range		F/1.9 ~ F/200							
	Angle Field of View		Wide : 92.2° (D) 73.4° (H) 54.7° (V) / Tele : 35.8° (D) 28.7° (H) 21.6° (V)							



Specifications

2.6X Super High Resolution IR Fast Dome IP Camera Series

Main Function	Control Interface	RS-485 Half-Duplex
	Control Function	Pan and Tilt and Zoom / Iris / 128 Preset Position / Home Position
	Character Display	On / Off (Preset ID : 16 Alphanumeric Characters , Zoom Ratio , Date / Time , Pan / Tilt Angle)
	Zoom Speed	1 ~ 8 Selectable [8 : Approx. 3.0 Second (Tele to Wide) in Manual Mode]
	Focus	Pan-focus Zoom
	Iris	ALC (Adjustable Output Target Level)
	Day & Night	Day (Color) / Night (Mono) / Auto / 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
Network Function	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 : 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	HTTPAPI downloadable
	Video display	VLC : H.264 HTTP , unicast , and multicast streaming
		ActiveX : for JPEG
	OS	Embedded Linux 2.6.9

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IPS 2124/2128

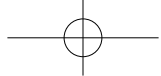
- ✦ 12X Optical Zoom Lens(3.8 ~ 45.6mm)
- ✦ True H.264 AVC/MPEG-4 Part 10 Real-Time Video Compression
- ✦ Higher Horizontal Resolution of 540 TV Line
- ✦ Privacy Zone Masking Function
- ✦ Auto Focus Lens
- ✦ Horizontal Flip Function
- ✦ Auto Panning Function with Auto Scan or Seq. or Tours
- ✦ 360° Endless Panning
- ✦ Multi-Protocol
- ✦ Free Java Phone, Windows Mobile, and PDA Software Support



Specifications

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

General	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 ΩBNC			
	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℃ ~ + 50℃ (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				
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			
	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

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
	Privacy Zone	On / Off Selectable (Up to 4 Zones Settings)
	Image Mirror	On / Off Selectable
Network Function	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 : 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 , ESMTP , 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	HTTPAPI downloadable
	Video display	VLC : H.264 HTTP , unicast , and multicast streaming
		ActiveX : for JPEG
	OS	Embedded Linux 2.6.9

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LILIN® IP FAST DOME - INDOOR

IPS 3034/3038

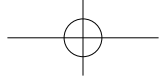
- ✦ 2.6X Optical Zoom Lens(2.8 ~ 7.3 mm)
- ✦ True H.264 AVC/MPEG-4 Part 10 Real-Time Video Compression
- ✦ Privacy Zone Masking Function
- ✦ Higher Horizontal Resolution of 540 TV Line
- ✦ Auto Focus Lens
- ✦ Horizontal Flip Function
- ✦ Auto Panning Function with Auto Scan or Seq. or Tours
- ✦ 360° Endless Panning
- ✦ Multi-Protocol
- ✦ Free Java Phone, Windows Mobile, and PDA Software Support



Specifications

✦ 2.6X Day & Night Super High-Resolution Fast Dome IP Camera Series

	Model	IPS3034N	IPS3038N	IPS3034P	IPS3038P	
General	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 : 0.5 Lux at F1.9 , Mono : 0.1 Lux at F1.9				
	Ambient Operation Temperature	- 10℃ ~ + 50℃ (14°F ~ 122°F)				
	Operating Humidity	0% ~ 90%				
	Dimensions	164 mm (H) x 135 mm (D)				
	Weight	1150g				
	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	2.6X Optical Zoom				
	Focal Length	2.8 mm ~ 7.3 mm				
	Minimum Aperture Ratio	1 : 1.9 (Wide) ~ 3.1 (Tele)				
	Minimum Object Distance	0.6 m				
	Iris Range	F/1.9 ~ F/200				
	Angle Field of View	Wide : 92.2° (D) 73.4° (H) 54.7° (V) / Tele : 35.8° (D) 28.7° (H) 21.6° (V)				
Main Function	Control Interface	RS-485 Half-Duplex				
	Control Function	Pan and Tilt and Zoom / Iris / 128 Preset Position / Home Position				
	Character Display	On / Off (Preset ID : 16 Alphanumeric Characters , Zoom Ratio , Date / Time , Pan / Tilt Angle)				



Specifications

2.6X Day & Night Super High-Resolution Fast Dome IP Camera Series

Main Function	Zoom Speed	1 ~ 8 Selectable [8 : Approx. 3.0 Second (Tele to Wide) in Manual Mode]
	Focus	Pan-focus Zoom
	Iris	ALC (Adjustable Output Target Level)
	Day & Night	Day (Color) / Night (Mono) / Auto / 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
Network Function	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)
	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 , ESMTP , 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	HTTPAPI downloadable
	Video display	VLC : H.264 HTTP , unicast , and multicast streaming
		ActiveX : for JPEG
	OS	Embedded Linux 2.6.9

CAMERA

FAST DOME & ACCESSORY

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LILIN® IP FAST DOME - INDOOR

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

General	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℃ ~ + 50℃ (14°F ~ 122°F)				
	Operating Humidity	0% ~ 90%				
	Dimensions	164 mm (H) x 135 mm (D)				
	Weight	1150g				
	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				
	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)				
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)				



Specifications

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

Main Function	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
Network Function	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)
	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 , ESMTP , 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	HTTPAPI downloadable
	Video display	VLC : H.264 HTTP , unicast , and multicast streaming
		ActiveX : for JPEG
	OS	Embedded Linux 2.6.9

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PIH 7625IP

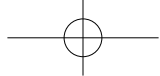
- 25X Optical Zoom Lens (3.8 ~ 95.0mm)
- Automatic / Manual Iris Control
- 360 Continuous Rotation
- Up to 128 Programmable Preset Positions
- Preset Positions Auto Scanning
- Two Types of Alarm Response Mode: Lock Mode, Release Mode
- RS-485 Control Interface
- Up to 64 Fast Dome Configuration



Specifications

25X Day & Night Fast Dome Camera Series

	Model	PIH-7625NLIP	PIH-7625NFIP	PIH-7625PLIP	PIH7625PFIP	
General	System	NTSC		PAL		
	Power Supply	L type: AC 24V 24V ±10% / F type: AC 100~240V ±10%				
	Power Consumption	18 W				
	Image Pick-up Device	Sony 1/4" EXview 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 ΩBNC				
	Horizontal Resolution	Color : 480 TV Lines , Mono: 520 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				
	Ambient Operation Temperature	- 10℃ ~ + 50℃ (14°F ~ 122°F)				
	Operating Humidity	0% ~ 90%				
	Dimensions	208 mm (H) x 145 mm (D)				
	Weight	2600 g				
	Pan & Tilt	Panning Range	360° Endless			
		Pan / Tile Accuracy	0.25°			
Panning Speed		Manual Approx. 1° /s ~ 180° /s , Preset Approx. 1° /s ~ 255° /s				
Tilting Range		-5° ~ + 95°				
Preset Dwell Time		1 ~ 255 Sec				
Tilting Speed		Manual Approx. 1° /s ~ 180° /s , Preset Approx. 1° /s ~ 255° /s				
Lens	Zoom Ratio	25X Optical Zoom				
	Focal Length	3.8 mm ~ 95 mm				
	Aperture(F)	F1.6 ~ F3.7				
	Angle Field of View	Wide : 62.1° (D) 51.9° (H) 39.2° (V) / Tele : 2.7° (D) 2.2° (H) 1.6° (V)				
Main Function	Control Interface	RS-485 Transmission				
	Address Setting	64 programmable ID				
	Iris Control	Auto / Manual (Fast or Medium Speed)				
	White Balance	Auto Correction / Auto Tracking / Indoor or Outdoor				
	Back Light Compensation	On / Off Selectable				



Specifications

25X Day & Night Fast Dome Camera Series

Main Function	Operation Setting	On / Off
	Flickerless	Auto / Zoom Trigger / Interval
	Auto Gain Control	0 ~ 36 dB Selectable
	Preset Position	128 preset positions
	Preset Group	4 Group (Corresponding with first 16 presets)
	Alarm Input / Output	6 Inputs (expandable to 64)
	Return Mode	Off / Home/ SEQ.
Network Function	CPU	32 Bits RISC Processor
	ROM	2MB Flash ROM
	RAM	16MB SDRAM
	Watch Dog	Chip to monitor out tolerance system voltage and abnormal program executing
	LED	LEDs to indicate network and power and system status
	Video Compression	JPEG ; Motion JPEG
	Video Adjustment	Brightness, Contrast, Hue, Saturation, Quality
	Protocols	TCP / UDP / IP / ARP / ICMP / HTTP / FTP / Telnet / SMPT / DHCP / PPP
	Max. Resolution	4 CIF : NTSC (704 x 480) PAL (704 x 576) CIF : NTSC (352 x 240) PAL (352 x 288)
	Performance	Video throughput: Up to 30 fps
	Event Trigger & Action	Programmable Event Script with Wizard support
	Installation	Assign IP address : using ARP or Via Admin Web Page or IP Installer
	Software Upgrade	Local or Remote upgrade via FTP & Telnet
	System Requirement	Standard browser : IE4.x / 5.x or above / Netscape Navigator 7.x on Win95 / 98/ NT / Linux
	Security	Three-layer Password Protection

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LILIN® IP FAST DOME - INDOOR

IPS 1254/1258

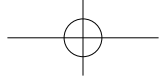
- ✦ 25X Optical Zoom Lens (3.43 ~ 85.7 mm)
- ✦ True H.264 AVC/MPEG-4 Part 10 Real-Time Video Compression
- ✦ Full D1 Resolution at 720 * 480 (NTSC)/720 * 576 (PAL) in Live Monitoring
- ✦ 520 Horizontal TV Lines
- ✦ Automatic / Manual Iris Control
- ✦ Preset Background Environment File
- ✦ Private Mask
- ✦ Up to 128 Programmable Preset Positions
- ✦ Up to 256 Fast Dome Configuration
- ✦ Free Java Phone, Windows Mobile, and PDA Software Support



Specifications

✦ 25X Super High Resolution IR Fast Dome IP Camera Series

	Model	IPS1254N	IPS1258N	IPS1254P	IPS1258P
General	System	NTSC		PAL	
	Power Supply	AC 24V ±10%	AC 100V ~ 240V ±10%	AC 24V ±10%	AC 100V ~ 240V ±10%
	Power Consumption	16 W			
	Image Pick-up Device	Sony 1/4" EXview 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 / Line Lock Selectable			
	Video Output	CVBS 1.0 Vp-p / 75 ΩBNC			
	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			
	Ambient Operation Temperature	- 10℃ ~ + 50℃ (14°F ~ 122°F)			
	Operating Humidity	0% ~ 90%			
	Dimensions	238 mm (H) x 145 mm (D)			
	Weight	2400g			
Pan & Tilt	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			
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			
	Angle Field of View	Wide : 68.6° (D) 57.8° (H) 43.7° (V) / Tele : 3.12° (D) 2.53° (H) 1.83° (V)			
Main Function	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)			



Specifications

25X Super High Resolution IR Fast Dome IP Camera Series

Main Function	Zoom Speed	0 ~ 7 Selectable [7 : Approx. 3.0 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
	Alarm Input / Output	6 Input [Alarm In 1 ~ 6 (NC / NO)] , 1 Output (Alarm Out NC / NO)
Network Function	Schedule Setting	Alarm Input / 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)
	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
	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	HTTPAPI downloadable
	Video display	VLC : H.264 HTTP , unicast , and multicast streaming
		ActiveX : for JPEG
	OS	Embedded Linux 2.6.9

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MONITOR

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LILIN® IP FAST DOME - INDOOR

IPS 1304/1308

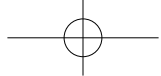
- ✦ 30X Optical Zoom Lens (3.43 ~ 102.9 mm)
- ✦ True H.264 AVC/MPEG-4 Part 10 Real-Time Video Compression
- ✦ Full D1 Resolution at 720 * 480 (NTSC)/720 * 576 (PAL) in Live Monitoring
- ✦ 520 Horizontal TV Lines
- ✦ Automatic / Manual Iris Control
- ✦ Preset Background Environment File
- ✦ Private Mask
- ✦ Up to 128 Programmable Preset Positions
- ✦ Up to 256 Fast Dome Configuration
- ✦ Free Java Phone, Windows Mobile, and PDA Software Support



Specifications

✦ 30X Super High Resolution Day & Night Fast Dome IP Camera Series

	Model	IPS1304N	IPS1308N	IPS1304P	IPS1308P
General	System	NTSC		PAL	
	Power Supply	AC 24V ±10%	AC 100V ~ 240V ±10%	AC 24V ±10%	AC 100V ~ 240V ±10%
	Power Consumption	16 W			
	Image Pick-up Device	Sony 1/4" EXview 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 / Line Lock Selectable			
	Video Output	CVBS 1.0 Vp-p / 75 ΩBNC			
	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			
	Ambient Operation Temperature	- 10℃ ~ + 50℃ (14°F ~ 122°F)			
	Operating Humidity	0% ~ 90%			
	Dimensions	238 mm (H) x 145 mm (D)			
	Weight	2400g			
Pan & Tilt	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			
Lens	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)			
	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)			
Main Function	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)			



Specifications

30X Super High Resolution Day & Night Fast Dome IP Camera Series

Main Function	Zoom Speed	0 ~ 7 Selectable [7 : Approx. 3.5 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
	Alarm Input / Output	6 Input [Alarm In 1 ~ 6 (NC / NO)] , 1 Output (Alarm Out NC / NO)
Network Function	Schedule Setting	Alarm Input / 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)
	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
	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	HTTPAPI downloadable
	Video display	VLC : H.264 HTTP , unicast , and multicast streaming
		ActiveX : for JPEG
	OS	Embedded Linux 2.6.9

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IPS 1354/1358

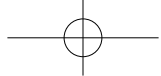
- ✦ 35X Optical Zoom Lens (3.43 ~ 120 mm)
- ✦ True H.264 AVC/MPEG-4 Part 10 Real-Time Video Compression
- ✦ Full D1 Resolution at 720 * 480 (NTSC)/720 * 576 (PAL) in Live Monitoring
- ✦ 520 Horizontal TV Lines
- ✦ Automatic / Manual Iris Control
- ✦ Preset Background Environment File
- ✦ Private Mask
- ✦ Up to 128 Programmable Preset Positions
- ✦ Up to 256 Fast Dome Configuration
- ✦ Free Java Phone, Windows Mobile, and PDA Software Support



Specifications

✦ 35X Super High Resolution Day & Night Fast Dome IP Camera Series

General	Model	IPS1354N	IPS1358N	IPS1354P	IPS1358P	
	System	NTSC		PAL		
	Power Supply	AC 24V ±10%	AC 100V ~ 240V ±10%	AC 24V ±10%	AC 100V ~ 240V ±10%	
	Power Consumption	16 W				
	Image Pick-up Device	Sony 1/4" EXview 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 / Line Lock Selectable				
	Video Output	CVBS 1.0 Vp-p / 75 ΩBNC				
	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				
	Ambient Operation Temperature	- 10℃ ~ + 50℃ (14°F ~ 122°F)				
	Operating Humidity	0% ~ 90%				
	Dimensions	238 mm (H) x 145 mm (D)				
	Weight	2400g				
	Pan & Tilt	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				
Lens	Zoom Ratio	35X Optical Zoom				
	Focal Length	3.43 mm ~ 120 mm				
	Maximum Aperture Ratio	1 : 1.6 (Wide) ~ 4.5 (Tele)				
	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)				
Main Function	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)				



Specifications

35X Super High Resolution Day & Night Fast Dome IP Camera Series

Main Function	Zoom Speed	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
	Alarm Input / Output	6 Input [Alarm In 1 ~ 6 (NC / NO)] , 1 Output (Alarm Out NC / NO)
Network Function	Schedule Setting	Alarm Input / 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)
	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
	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	HTTPAPI downloadable
	Video display	VLC : H.264 HTTP , unicast , and multicast streaming
		ActiveX : for JPEG
	OS	Embedded Linux 2.6.9

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LILIN® IP FAST DOME - OUTDOOR

IPS 0254/0258

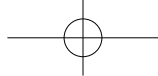
- ✦ 25X Optical Zoom Lens (3.43 ~ 85.7 mm)
- ✦ True H.264 AVC/MPEG-4 Part 10 Real-Time Video Compression
- ✦ Full D1 Resolution at 720 * 480 (NTSC)/720 * 576 (PAL) in Live Monitoring
- ✦ 520 Horizontal TV Lines
- ✦ Automatic / Manual Iris Control
- ✦ Preset Background Environment File
- ✦ Private Mask
- ✦ Up to 128 Programmable Preset Positions
- ✦ Up to 256 Fast Dome Configuration
- ✦ Free Java Phone, Windows Mobile, and PDA Software Support



Specifications

✦ 25X Outdoor Super High Resolution Day & Night Fast Dome IP Camera Series

	Model	IPS0254N	IPS0258N	IPS0254P	IPS0258P
General	System	NTSC		PAL	
	Power Supply	AC 24V ±10%	AC 100V ~ 240V ±10%	AC 24V ±10%	AC 100V ~ 240V ±10%
	Power Consumption	25 W (Heater : ON)			
	Image Pick-up Device	Sony 1/4" EXview 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 / Line Lock Selectable			
	Video Output	CVBS 1.0 Vp-p / 75 ΩBNC			
	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			
	Ambient Operation Temperature	- 10℃ ~ + 50℃ (14°F ~ 122°F)			
	Operating Humidity	0% ~ 90%			
	Dimensions	326 mm (H) x 210 mm (D)			
	Weight	3400g			
	Heater Activation	On : 15℃ , Off : 25℃			
	Fan Activation	On : 35℃ , Off : 25℃			
	Pan & Tilt	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			
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			
	Angle Field of View	Wide : 68.6° (D) 57.8° (H) 43.7° (V) / Tele : 3.12° (D) 2.53° (H) 1.83° (V)			



Specifications

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

Main Function	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)
	Zoom Speed	0 ~ 7 Selectable [7 : Approx. 3.0 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
Network Function	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
	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)
	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
	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	HTTPAPI downloadable
	Video display	VLC : H.264 HTTP , unicast , and multicast streaming
		ActiveX : for JPEG
	OS	Embedded Linux 2.6.9

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LILIN® IP FAST DOME - OUTDOOR

IPS 0304/0308

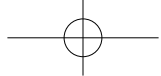
- ✦ 30X Optical Zoom Lens (3.43 ~ 102.9 mm)
- ✦ True H.264 AVC/MPEG-4 Part 10 Real-Time Video Compression
- ✦ Full D1 Resolution at 720 * 480 (NTSC)/720 * 576 (PAL) in Live Monitoring
- ✦ 520 Horizontal TV Lines
- ✦ Automatic / Manual Iris Control
- ✦ Preset Background Environment File
- ✦ Private Mask
- ✦ Up to 128 Programmable Preset Positions
- ✦ Up to 256 Fast Dome Configuration
- ✦ Free Java Phone, Windows Mobile, and PDA Software Support



Specifications

✦ 30X Outdoor Super High Resolution Day & Night Fast Dome IP Camera Series

	Model	IPS0304N	IPS0308N	IPS0304P	IPS0308P
General	System	NTSC		PAL	
	Power Supply	AC 24V ±10%	AC 100V ~ 240V ±10%	AC 24V ±10%	AC 100V ~ 240V ±10%
	Power Consumption	25 W (Heater : ON)			
	Image Pick-up Device	Sony 1/4" EXview 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 / Line Lock Selectable			
	Video Output	CVBS 1.0 Vp-p / 75 ΩBNC			
	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			
	Ambient Operation Temperature	- 10℃ ~ + 50℃ (14°F ~ 122°F)			
	Operating Humidity	0% ~ 90%			
	Dimensions	326 mm (H) x 210 mm (D)			
	Weight	3400g			
	Heater Activation	On : 15℃ , Off : 25℃			
	Fan Activation	On : 35℃ , Off : 25℃			
	Pan & Tilt	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			
Lens	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)			
	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)			



Specifications

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

Main Function	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)
	Zoom Speed	0 ~ 7 Selectable [7 : Approx. 3.5 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
Network Function	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
	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)
	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
	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	HTTPAPI downloadable
	Video display	VLC : H.264 HTTP , unicast , and multicast streaming
		ActiveX : for JPEG
	OS	Embedded Linux 2.6.9

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LILIN® IP FAST DOME - OUTDOOR

IPS 0354/0358

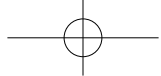
- ✦ 35X Optical Zoom Lens (3.43 ~ 120 mm)
- ✦ True H.264 AVC/MPEG-4 Part 10 Real-Time Video Compression
- ✦ Full D1 Resolution at 720 * 480 (NTSC)/720 * 576 (PAL) in Live Monitoring
- ✦ 520 Horizontal TV Lines
- ✦ Automatic / Manual Iris Control
- ✦ Preset Background Environment File
- ✦ Private Mask
- ✦ Up to 128 Programmable Preset Positions
- ✦ Up to 256 Fast Dome Configuration
- ✦ Free Java Phone, Windows Mobile, and PDA Software Support



Specifications

✦ 35X Outdoor Super High Resolution Day & Night Fast Dome IP Camera Series

	Model	IPS0354N	IPS0358N	IPS0354P	IPS0358P	
General	System	NTSC		PAL		
	Power Supply	AC 24V ± 10%	AC 100V ~ 240V ± 10%	AC 24V ± 10%	AC 100V ~ 240V ± 10%	
	Power Consumption	25 W (Heater : ON)				
	Image Pick-up Device	Sony 1/4" EXview 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 / Line Lock Selectable				
	Video Output	CVBS 1.0 Vp-p / 75 ΩBNC				
	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				
	Ambient Operation Temperature	- 10℃ ~ + 50℃ (14°F ~ 122°F)				
	Operating Humidity	0% ~ 90%				
	Dimensions	326 mm (H) x 210 mm (D)				
	Weight	3400g				
	Heater Activation	On : 15℃ , Off : 25℃				
	Fan Activation	On : 35℃ , Off : 25℃				
	Pan & Tilt	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				
Lens	Zoom Ratio	35X Optical Zoom				
	Focal Length	3.43 mm ~ 120 mm				
	Maximum Aperture Ratio	1 : 1.6 (Wide) ~ 4.5 (Tele)				
	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)				



Specifications

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

Main Function	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)
	Zoom Speed	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)
Network Function	Image Mirror	On / Off Selectable
	Image Negative	On / Off Selectable
	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
	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)
	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
	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	HTTPAPI downloadable
	Video display	VLC : H.264 HTTP , unicast , and multicast streaming
		ActiveX : for JPEG
	OS	Embedded Linux 2.6.9

CAMERA

FAST DOME & ACCESSORY

DVR & ACCESSORY

IP PRODUCT

HOUSING & BRACKET

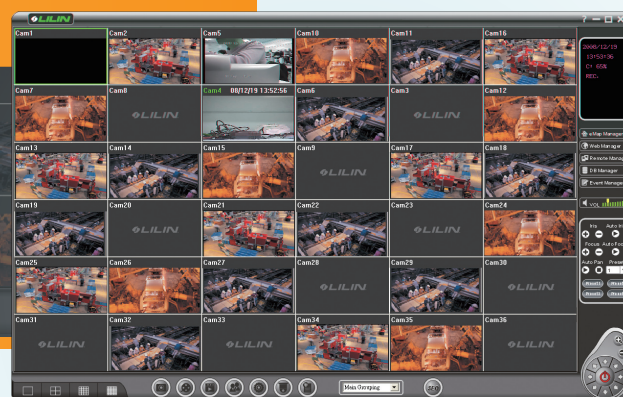
SCANNER & CONTROLLER

MARTIX & KEYBOARD

MONITOR

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NVR Software



Free CMX

Remote Device Manager

- Remote alarm setup
- Remote device setup
- Remote device status



eMap Manager

- eMap
- Live monitoring alarm triggering
- Alarm snapshots
- Device find
- PTZ control



Web Manager

- Remote IP camera and DVR web-based video monitoring
- Grouping monitoring



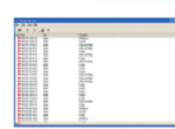
NVR Central

- H.264 AVC full D1 recording
- User access level
- Grouping monitoring
- Smart search
- PTZ control
- Audio monitoring



Database Manager

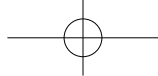
- Event and alarm management
- Network status report
- Database maintenance
- Database import & export
- Reports



Specifications

NVR Software

Recording for	IP Fast Dome all series
	PIH-1000S (LAN Camera)
	IPR454/458 (High resolution IR IP Camera series)
	PVS-1020 (Video Server with audio) VS012 (Video Server with audio)
	MPEG-4 PDR-6040/PDR-6080/PDR-6160 H.264 DVR004S
Live Monitoring	IP Fast Dome all series
	H.264 DVR004S
	PDR-2160
E-Map	MPEG-4 PDR-6040/PDR-6080/PDR-6160
	Alarm and management events
	Device video recalled on a map
Compact & Repair DB Utility	Dualview supported
DeviceManager	Database recovery & compact utilities
Grouping	Network device monitoring system



Video server **LILIN**



PVS 1020

- ✦ Standard IE support
- ✦ 1-Ch video server with audio support
- ✦ Motion FTP & EMail
- ✦ NTP: Network Time Protocol
- ✦ PPPoE & DDNS
- ✦ E-Mobile supported
- ✦ NVR Software 2.0 supported

Specifications

✦ Video Server		
Model	PVS-1020	
CPU	16bits	
ROM	1M Bytes Flash ROM	
RAM	8M Bytes SDRAM	
Image compression	JPEG/Motion JPEG	
Video adjustment	Brightness, Contrast, Hue, Saturation, Rotation, AWB	
Video quality	Three video quality adjustable	
Video looping	One	
Audio	Remote monitoring, 0.7Vp-p, 300Hz to 3KHz	
Resolution	VGA: 640x480 , CIF(default): 320x240 , QCIF: 160x120	
Network throughput	Up to 30 fps for QCIF; 15fps for CIF; 10fps for VGA	
Motion detection	Two motion detection zones	
Alarm	Input x 1 , relay output x 1	
Alarm/motion notification	Via FTP or Email	
Protocols	Basic	TCP/IP , ICMP , HTTP
	Advanced	DHCP, DNS, DDNS, SMTP, FTP, PPPoE, NTP
Installation	Admin web page, IPScan software	
IP Setup	Built-in keypad control	
Software Upgrade	HTML direct update	
Security	Two-layer password protection: Admin and Guest	
SD Card	Standard JPEG 320x240 resolution snapshots	
Recording	SD card JPEG recording / PC AVI recording	
AVI File Exporting	ActiveX converts JPEG to AVI	
Frame Statistics	Frame rate and frame size	
User Logon Statistics	Yes	
Built-in Language	English & Chinese	
SDK	Yes (included in product CD)	
OS Supported	Windows 2000/XP	
Browsers Supported	Windows: Internet Explorer 5.x or later	
Complimentary software	IPScan utility (included in product CD), ActiveX (automatic downloaded)	
Operation Conditions	Temp:-10℃ ~ + 50℃ / Humidity: 0% ~ 80%	
Dimension	130 x 135.8 x 44mm	
Power	DC 12VDC, min 500mA	

CAMERA

FAST DOME & ACCESSORY

DVR & ACCESSORY

IP PRODUCT

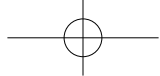
HOUSING & BRACKET

SCANNER & CONTROLLER

MARTIX & KEYBOARD

MONITOR

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LILIN Video server

VS 1000S



Specifications

Video Server

- Self-Contained HTTPWeb Server providing Internet capability.
- IP assignment via ARP/Web Page/IP Installer easy to install for users.
- JAVA-based web page providing maximum platform compatibility.
- Active-X control for Internet Explorer providing maximum performance.
- Motion Detection / Date / Time / GPIO Input for event trigger.
- Email / FTP / Internal Buffer Storage / Relay Out / PPP Dialing Out for event action.
- Programmable event script for various application.
- 3-layer User Security Control.
- Remote upgradeable firmware and user content pages via FTP.
- Server operating control through CGI base script easy to integrate the application for users.
- Green power, fan needless, and hardware watchdog providing robustness system in critical environment.
- Standard BNC connectors, automatic video standard (NTSC/PAL) detection.



CAMERA

FAST DOME & ACCESSORY

DVR & ACCESSORY

IP PRODUCT

HOUSING & BRACKET

SCANNER & CONTROLLER

MATRIX & KEYBOARD

MONITOR



Video server **LILIN**



VS 012

- ✦ 1-Channel video server with audio support
- ✦ True H.264 AVC/MPEG-4 part 10 real-time video compression
- ✦ Full D1 resolution at 720x480(NTSC) / 720x576(PAL) in live monitoring
- ✦ Full duplex H.264 AVC and JPEG streaming
- ✦ Free eMobile s/w for Java mobile phone, Windows Mobile 5/6, and PDA
- ✦ Support Network protocol: IP, TCP, UDP, HTTP, SMTP, ESMT, NTP, DDNS, FTP, ARP, DHCP, PPPoE, DNS, Telnet

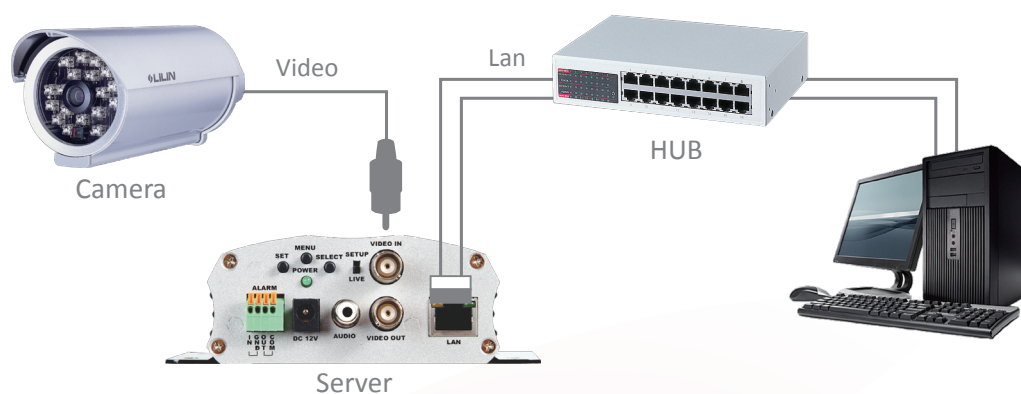
Specifications

✦ H.264 VIDEO SERVER ENCODER

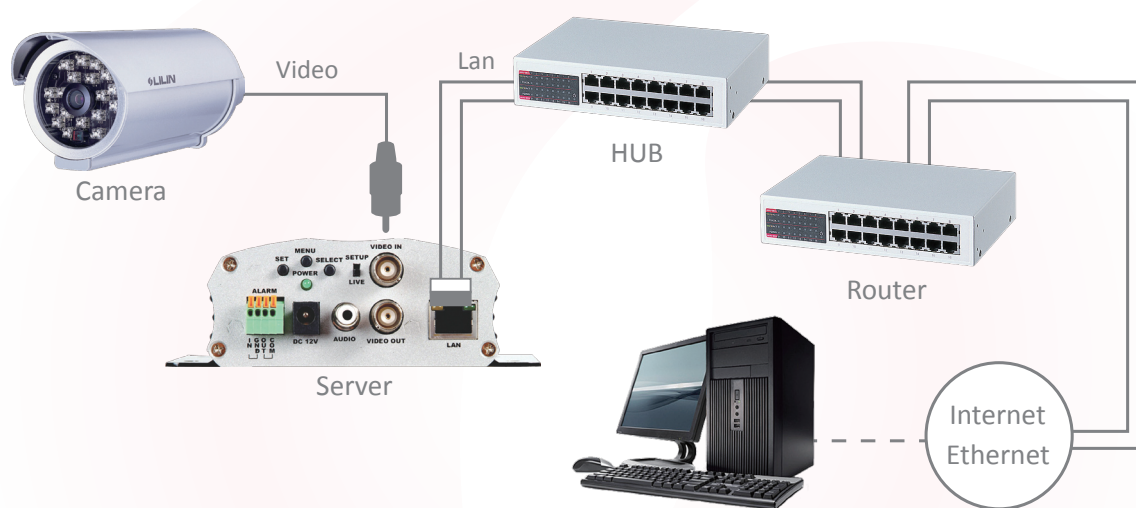
Model	VS012
Video Compression	H.264/AVC Main Profile, Level 3 (I / P / B frames), Motion JPEG
Resolution	Full D1 : 720 x 480 (NTSC) / 720 x 576 (PAL) CIF : 352 x 240 (NTSC) / 352 x 288 (PAL)
Frame Rate	H.264 : up to 30/25 FPS at full D1 resolution JPEG : 1 FPS at CIF
Video Streaming	Simultaneous Motion 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	15*10 motion detection zone Image upload over FTP and e-mail by motion detection
Audio Compression	Mono, MPEG-4 AAC, 48 KHz, 96 Kbps
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 Explore 5.0 or above CPU : Intel Pentium 4 1.8GHz or above RAM : 512MB or above
Network Protocols	IP, TCP, UDP, HTTP, SMTP, ESMT, 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	HTTPAPI downloadable
Video Display	VLC : H.264 HTTP, unicast, and multicast streaming ActiveX : for JPEG
OS	Embedded Linux 2.6.9
Video Input / Output	CVBS 1.0 Vp-p, 75 Ω, BNC
Audio Input	1.4 Vp-p, 50 Ω, RCA
Control Interface	RS-485
Alarm Input / Output	2 Input, 2 Output (Relay N.O.)
Power Supply	DC 12V ± 10%
Power Consumption	3.6 W
Ambient Operation Temperature	0°C ~ + 50°C (32°F ~ 122°F)
Operating Humidity	20% ~ 80% (non-condensing)
Dimensions	130mm (W) x 44mm (H) x 136mm (D)
Weight	400g

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Hardwave Installation for LAN access



Hardwave Installation for Internet access



System Architecture

