



Creativity Progress & Excellence

Network Product





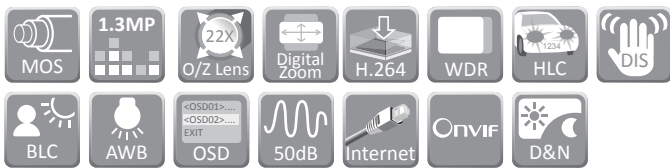
IPS7224M / IPS7228M

22X Day & Night 1.3M HD WDR
Speed Dome IP Camera (Indoor)



Features

- 22X Optical Zoom Lens (4.7~103.4mm)
- 10X Digital Zoom
- HD 1.3 megapixel MOS image sensor
- True H.264 AVC/MPEG-4 part 10 real-time video compression
- H.264 and Motion JPEG multi-profile video streaming
- Wide Dynamic Range
- 3D Digital Noise Reduction
- High Light Compensation
- Digital Image Stabilizer
- 256x Sens.Up
- Up to 128 Programmable Preset Positions
- 2-way audio supported
- ONVIF supported



Dimensions Φ 155 mm x 245 mm



(Unit:mm)

SPEED DOME IP CAMERA SERIES			
22X Day & Night 1.3M HD WDR Speed Dome IP Camera (Indoor)			
General	Model	IPS7224M	IPS7228M
	Power Supply	AC24V	AC100~240V
	Power Consumption	15W	
	Image Pick-up Device	Panasonic 1/3" 1.3Mega-Pixel MOS Sensor	
	Effective Pixels	1280 (H) x 1024 (V) = 1,310,720 (pixel)	
	Total number of pixel	1376 (H) x 1070 (V) = 1,472,320 (pixel)	
	Scanning System	Progressive Scan	
	Video Output	CVBS 1.0 Vp-p / 75 Ω BNC	
	Minimum Illumination	Color : 0.07 Lux at F1.6 , Mono : 0.03 Lux at F1.6	
	Ambient Operating Temperature	- 10°C ~ + 50°C (14°F ~ 122°F)	
	Operating Humidity	0% ~ 90%	
	Dimension	Φ 155 mm x 245 mm	
	Weight	2300 g	
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, Preset Approx. 1°/s ~ 255°/s, Alarm Trigger Speed 360°/s	
	Tilting Range	- 6° ~ + 96°	
	Tilting Mode	Manual , Auto , Manual Position , Sequential Position	
LENS	Tilting Speed	Manual Approx. 0.15°/s ~ 120°/s 8 Steps, Preset Approx. 1°/s ~ 255°/s, Alarm Trigger Speed 360°/s	
	Zoom Ratio	22X Optical Zoom	
	Focal Length	4.7 mm ~ 103.4 mm	
	Minimum Aperture Ratio	1 : 1.6 (Wide) ~ 3.1 (Tele)	
	Minimum Object Distance	1.5 m (Tele)	
Main Functions	Iris Range	F1.6 ~ 360 , Close	
	Angle Field of View	Wide : 54.6° (H) 42.3° (V) / Tele : 2.70° (H) 2.10° (V)	
	Control Function	Pan and Tilt / Zoom and Focus / Iris and ICR / 128 Preset Position / Home Position / Patrol	
	Digital Zoom Ratio	10X	
	Zoom Speed	Slow / MID. / Fast Selectable [Fast : Approx. 4.0 Second (Tele to Wide) in Manual Mode]	
	Focus Speed	Slow / MID. / Fast Selectable [Fast : Approx. 4.0 Second (Far to Near) in Manual Mode]	
	Auto Focus	Auto / One Push Focus	
	Iris	ALC (Adjustable Output Target Level) / Manual	
	Day & Night	Day / Night / Auto / Schedule	
	Electronic Image Stabilizer	Off / On	
	Sense Up (Slow Shutter)	1X ~ 255X	
	Electronic Shutter Speed	1/30 to 1/60,000	
	Exposure Mode	ALC / ELC	
	Back Light Compensation	BLC / HSBC	
	Digital Wide Dynamic Range	OFF / Low / Middle / High	
	Sharpness	Adjustable	
	White Balance	ATW / AWC / Manual (1700K ~11000K)	
	Auto Gain Control	OFF / Low / Middle / High	
	3D Digital Noise Reduction	OFF / Low / Middle / High	
	Auto Mode	OFF / AUTO / SEQ / TOUR	
Digital Effect	OFF / V-Flip / Mirror / Rotate		
Alarm Input / Output	6 Input (TTL 5Vdc) , 2 Output (0.5A 120Vac,1A 24Vac)		

NETWORK	
Video compression	H.264, Motion JPEG
Resolution	SXGA(1280 x 1024), D1(720 x 480), CIF(352 x 240)
Frame rate	H.264 : up to 30 FPS at SXGA(1280 x 1024)
	Motion JPEG : up to 30 FPS at D1(720 x 480)
Video streaming	RTP/HTTP, RTP/TCP, RTP/UDP/Multicast
Video bitrate	128 Kbps to 5 Mbps
	Frame rate and bitrate controllable on-the-fly
Security	VBR / CBR / GOP supported
	Base64 HTTP encryption
	Multiple user access levels with password protection
Users	10 user accounts available
	8 simultaneous users
OSD	Text overlay for date, time, and camera name
Alarm Function	Image upload over FTP and E-mail by alarm / motion detection
CPU, memory	Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB 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
Network Interface	Firmware available at web site
	10Mbps / 100Mbps , RJ-45
Client PC requirement	OS : Windows 2000 , Windows XP , Windows Vista, Windows 7
	Browser : Windows Internet Explorer 6, 7, 8
	CPU : Intel Pentium 4 1.8GHz or above
Network protocols	RAM : 1GB or above, Independent Display Card
	IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF, ICMP, IGMP
Mobile phone	iPhone, iPad, and Android
System integration	ONVIF & LILIN HTTPAPI
CMX	CMX HD 3.6
Video display	LILIN Universal ActiveX & LILIN Java Applet
OS	Embedded Linux 2.6.32
Two-way Audio	G.711