



Creativity Progress & Excellence

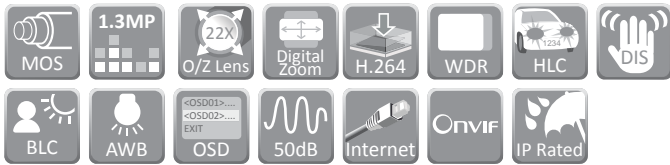
Network Product





IPS6224M / IPS6228M

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



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 Sense Up
- Up to 128 Programmable Preset Positions
- 2-way audio supported
- ONVIF supported
- Weatherproof IP 66

Dimensions Φ 210 mm x 332 mm



(Unit:mm)

SPEED DOME IP CAMERA SERIES			
22X Day & Night 1.3M HD WDR Speed Dome IP Camera (Outdoor)			
General	Model	IPS6224M	IPS6228M
	Power Supply	AC24V	AC100 – 240V
	Power Consumption	25W (with Heater)	63W (with Heater)
	Image Pick-up Device	Panasonic 1/3" 1.3Mega-Pixel MOS Sensor	
	Effective Pixels	1280 (H) × 1024 (V) = 1,310,720 (pixel)	
	Total number of pixel	1376 (H) × 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	
	IP Rating	IP66	
	Ambient Operating Temperature	-40°C – +50°C (-40°F – 122°F)	
	Operating Humidity	0% – 90%	
	Dimension	Φ 210 mm x 332 mm	
	Weight	3200 g	
	Heater Activation	On: 15°C, Off: 25°C	
Fan Activation	On: 35°C, Off: 25°C		
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 / HSBLC	
	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
OSD	8 simultaneous users
Alarm Function	Text overlay for date, time, and camera name
CPU, memory	Image upload over FTP and E-mail by alarm / motion detection
Web PTZ control	Embedded SoC ARM11, 528MHz, 528MB DDR2, 256MB flash memory
PTZ preset scheduling	Pan, tilt, zoom in / out, absolute position, and video-click-n-move
Maintenance	Yes, via web interface
Network Interface	Firmware update via HTTP
	Firmware available at web site
Client PC requirement	Network Interface
	OS : Windows 2000, Windows XP, Windows Vista, Windows 7
	Browser : Windows Internet Explorer 6, 7, 8
Network protocols	CPU : Intel Pentium 4 1.8GHz or above
	RAM : 1GB or above, Independent Display Card
Mobile phone	IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF, ICMP, IGMP
System integration	iPhone, iPad, and Android support
CMX	ONVIF & LILIN HTTPAPI
Video display	CMX HD 3.6 support
OS	LILIN Universal ActiveX & LILIN Java Applet
Two-way Audio	Embedded Linux 2.6.32
SD Card Recording	G.711
	Support Micro SD/SDHC card for circular recording (card is not included)