Creativity Progress & Excellence

Network Product

LILIN

IPS7224M / IPS7228M

iMEGAPRO

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

Features

- 22X Optical Zoom Lens(4.7 – 103.4mm)
- 16X 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 Redurce Function
- High Light Compensation Function
- Digital Image Stabilizer Function
- Dynamic Privacy Zone Mask
- 256X Sens.Up
- Up to 128 Programmable Preset Positions
- 2-way audio supported
- Onvif supported

Dimensions 245 mm (H) x 155 mm (D)

(Unit:mm)

SPEED DOME IP CAMERA SERIES		
Name	22X Day & night 1.3M HD WDR speed dome IP camera	
Model	IPS7224M	IPS7228M
Power supply	AC24V	AC100 – 240V
Power consumption	15.5W	16W
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	
Ambient operating temperature	- 10°C – + 50°C (14°F – 122°F)	
Operating humidity	0% – 90%	
Dimension	245 mm (H) x 155 mm (D)	
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	
Tilting speed	Manual approx. 0.15°/s – 120°/s 8 Steps, Preset approx. 1°/s – 255°/s, Alarm Trigger Speed 360°/s	
Lens		
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)	
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	
Dynamic privacy zone mask	OFF / ON (Up to 24 area)	
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
	VBR / CBR / GOP supported
Security	Base64 HTTP encryption
	Multiple user access levels with password protection
	10 user accounts available
Users	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
	Firmware available at web site
Network interface	10Mbps / 100Mbps , RJ-45
Client pc requirement	OS : Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8
	Browser : Windows Internet Explorer 6.0 or above
	CPU : intel pentium 4 1.8GHz or above
	RAM : 1GB or above, Independent Display Card
Network protocols	IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF, SNMP
Mobile phone	iPhone, iPad, and Android
System integration	ONVIF & LILIN HTTPAPI
CMX	CMX HD 3.6 support
Video display	LILIN Universal ActiveX & LILIN Java Applet
Os	Embedded Linux 2.6.32
Two-way audio	G.711
SD card recording	Support Micro SD/SDHC/SDXC card for circular recording (card is not included)

Design and specifications are subject to change without notice.

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