



Creativity Progress & Excellence

Network Product





IPS4204ES / IPS4208ES

IMEGAPRO

**20X Day & Night 1080P HD WDR
Speed Dome IP Camera (Outdoor)**



Features

- 20X Optical Zoom Lens(4.7 – 94mm)
- 12X Digital Zoom
- HD 3 megapixel CMOS 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
- Digital Noise Reduce Function
- Dynamic Privacy Zone Mask
- Sens. Up Function
- 2-way audio supported
- Onvif supported
- Weatherproof IP66

Dimensions Φ 210 mm x 332 mm



(Unit:mm)

SPEED DOME IP CAMERA SERIES	
Name	20X Day & night 1080P HD WDR Speed Dome IP Camera
Model	IPS4204ES IPS4208ES
Power supply	AC24V / PoE+ (IEEE 802.3at compliant) AC100 – 240V / PoE+ 14W (IEEE 802.3at compliant)
Power consumption	37W (with Heater) / PoE+ 14W (does not support the heater) 48W (with Heater) / PoE+ 14W (does not support the heater)
Image pick-up device	1/2.8 Type Exmor CMOS Sensor
Effective pixels	2096 (H) x 1561 (V) = 3,269,760 (pixels)
Total number of pixel	2144 (H) x 1588 (V) = 3,404,672 (pixels)
Scanning system	Progressive scan
Video output	CVBS 1.0 Vp-p / 75 Ω BNC
Minimum illumination	0.5 Lux (1/30 sec, 50%, High Sensitivity mode ON)
	1.7 Lux (1/30 sec, 50%, High Sensitivity mode OFF)
	ICR-ON Mode 0.095 Lux (1/30 sec, 50%, High Sensitivity mode ON)
	ICR-ON Mode 0.3 Lux (1/30 sec, 50%, High Sensitivity mode OFF)
IP rating	IP66
Ambient operating temperature	-10°C – + 50°C (14°F – 122°F) / PoE+ - 40°C – + 50°C (-40°F – 122°F) / AC
Operating humidity	0% – 90%
Dimension	332 mm (H) x 210 mm (V)
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
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	20x Optical zoom
Focal length	4.7 mm (WIDE) to 94.0 mm(TELE)
Minimum aperture ratio	1 : 1.6 (Wide) – 3.5 (Tele)
Minimum object distance	10 mm (WIDE end), 0.8M (TELE end)
Iris range	F1.6 – 360 , Close
Angle field of view	Approx. 55.4 degrees (WIDE end), approx. 2.9 degrees (TELE end), (1080P mode)
	Approx. 37.6 degrees (WIDE end), approx. 2.0 degrees (TELE end), (720p mode)
Main functions	
Control function	Pan and Tilt / Zoom and Focus / Iris and ICR / 128 Preset Position / Home Position
Digital zoom ratio	12X
Zoom speed	Slow / MID. / Fast Selectable [Fast : Approx. 5.0 Second (Tele to Wide) in Manual Mode]
Focus speed	Slow / MID. / Fast Selectable [Fast : Approx. 5.0 Second (Far to Near) in Manual Mode]
Auto focus	Auto / One Push
Iris	ALC (Adjustable Output Target Level) / Manual
Day & night	Day / Night / Auto / Schedule
Electronic image stabilizer	Off / On
Sens. Up	OFF / ON (4X)
Electronic shutter speed	1/1 to 1/10,000
Exposure mode	Auto / Manual
Back light compensation	OFF / ON
Sharpness	Adjustable
White balance	ATW / AWC / Manual (1700K – 11000K)
Auto gain control	0 – 28dB (12 Step)
Digital noise reduction	(2D) OFF / ON (LEVEL=1 – 5)
Auto mode	OFF / AUTO / SEQ / TOUR
Dynamic privacy zone mask	OFF / ON (Up to 24 area)
Digital effect	OFF / Mirror
Alarm input / output	6 Input (TTL 5Vdc) , 2 Output (0.5A 120Vac, 1A 24Vac)
Schedule setting	OFF / Auto Mode / Preset Position

NETWORK	
Video compression	H.264, Motion JPEG
Resolution	1080P(1920 x 1080), 720P(1280 x 720), D1(720 x 480), CIF(352 x 240)
Frame rate	H.264 : up to 30 FPS at 1080P(1920 x 1080) 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 support
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)