



**Creativity Progress & Excellence**

Network Product





# IPS5204S / IPS5208S

## 20X Day & Night 1080P HD WDR Speed Dome IP Camera (Indoor)



### Features

- 20X Optical Zoom Lens (4.7 – 94mm)
- 12X Digital Zoom
- 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 Reduction
- Sense Up function
- 2-way audio supported
- ONVIF supported

### Dimensions $\Phi$ 155 mm x 245 mm



(Unit:mm)

SPEED DOME IP CAMERA SERIES			
20X Day & Night 1080P HD WDR Speed Dome IP Camera (Indoor)			
General	Model	IPS5204S	IPS5208S
	Power Supply	AC24V	AC100 – 240V
	Power Consumption	15W	
	Image Pick-up Device	1/2.8 Type Exmor CMOS Sensor	
	Effective Pixels	2096 (H) × 1561 (V) = 3,269,760 (pixels)	
	Total number of pixel	2144 (H) × 1588 (V) = 3,404,672 (pixels)	
	Scanning System	progressive scan	
	Video Output	CVBS 1.0 Vp-p / 75 $\Omega$ 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)	
	Ambient Operating Temperature	- 10°C – + 50°C ( 14°F – 122°F )	
	Operating Humidity	0% – 90%	
	Dimension	$\Phi$ 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	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	
	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	

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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
	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, RTPC, ONVIF, ICMP, IGMP
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 card for circular recording (card is not included)