



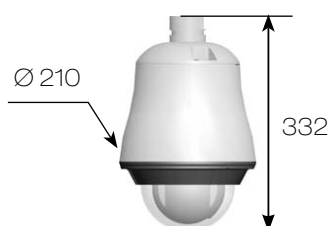
The IPS4204E / IPS4208E is outdoor fitted Day & Night 1080P HD WDR PTZ Dome IP Camera that in compliance with LILIN's already established HD PTZ series of cameras. The camera can be powered through High Power over Ethernet, which complies with the PoE standard IEEE 802.3at. The high-speed domes are capable of streaming HD video at up to 30 FPS. Featuring LILIN's Wide dynamic Range (WDR) feature, the IPS4204E / IPS4208E captures highlights and shadows simultaneously, eliminating pixilation and smear. Combine this with Digital noise reduction technology and adaptive tone reproduction and the contrast of images in bright or dark areas is dramatically improved. Capable of making 360° continuous rotations, users can accurately position the camera to identify specific targets.

### FEATURES :

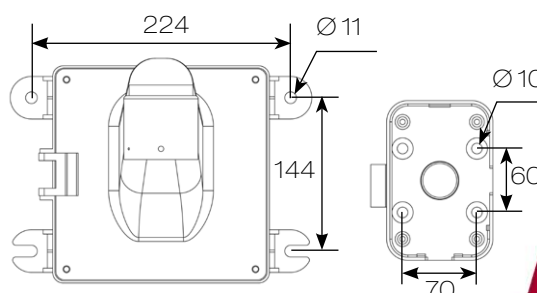
- 20X Optical zoom Lens(4.7 – 94mm)
- 12X Digital zoom
- Full HD 2.38 megapixel CMOS image sensor
- True H.264 AVC/MPEG-4 part 10 real-time Video compression
- H.264 and Motion JPEG multi-profile Video streaming
- Wide dynamic range
- Digital noise reduction
- Dynamic privacy zone mask
- Day & Night (IR cut removable)
- 2-way audio supported
- ONVIF supported
- Weatherproof IP66

### DIMENSIONS : (Unit : mm)

Ø 210 x 332



### INSTALLATION HOLE SITE DIAGRAM :



## SPECIFICATION :

Name	20X Day & Night 1080P HD WDR PTZ Dome IP Camera (Outdoor)	
Model	IPS4204E	IPS4208E
Power supply	AC24V / PoE+ (IEEE 802.3at compliant)	AC100 - 240V / PoE+ 14W (does not support the heater)
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 CMOS Sensor	
Effective pixels	1944 (H) x 1224 (V) = 2,379,456 (pixels)	
Total number of pixel	1952 (H) x 1236 (V) = 2,412,692 (pixels)	
Scanning system	Progressive scan	
Video output	CVBS 1.0 Vp-p / 75 Ω BNC	
Minimum illumination	0.4 Lux (1/30 sec, F1.6(wide), 50IRE, AGC-Gain: 45dB, ICR-OFF)	
	0.1 Lux (1/8 sec, F1.6(wide), 50IRE, AGC-Gain: 45dB, ICR-OFF)	
	0.01 Lux (1/8 sec, F1.6(wide), 50IRE, AGC-Gain: 45dB, ICR-ON)	
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), 1.0m (TELE end)	
Iris range	F1.6 - 36.2 , Close	
Angle field of view	Approx. 59.6 degrees (WIDE end), approx. 3.2 degrees (TELE end), (1080P mode)	
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 / Manual	
Iris	Auto / Manual	
Day & Night	Day / Night / Auto	
Electronic shutter speed	1/1 to 1/30,000	
Exposure mode	Auto / Manual	
Back light compensation	OFF / ON	
Wide Dynamic Range	OFF / ON	
Sharpness	Adjustable	
White balance	ATW / Manual (1700K - 11000K)	
Auto gain control	0 - 45dB	
Digital noise reduction	OFF / ON (LEVEL=1 - 3)	
Auto mode	OFF / AUTO / SEQ / TOUR / PATROL	
Dynamic privacy zone mask	OFF / ON ( Up to 8 area)	
Digital effect	OFF / Mirror / Flip	
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)	
Multiple	Profile #1	H.264 : up to 30 FPS @ 1920 x 1080 , MJPEG : up to 30 FPS @ 720 x 480
	profile #2	H.264 : up to 30 FPS @ 1280 x 720 , MJPEG : up to 30 FPS @ 352 x 240
	Profile #3	H.264 : up to 30 FPS @ 1920 x 1080 , MJPEG : up to 30 FPS @ 1280 x 720
	Profile #4	H.264 : up to 30 FPS @ 720 x 480 , MJPEG : up to 15 FPS @ 1920 x 1080
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 6.0 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, Telnet, RTSP, RTCP, ONVIF Profile S, ICMP, IGMP	
Mobile phone	iPhone, iPad, and Android support	
System integration	ONVIF & LILIN HTTP API	
Central management system	CMX 3.6 / NAV 1.0 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)	

