



The IPS2102E is 10X Day & Night 1080P HD PTZ Dome IR IP Camera that compliment 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 dome is capable of streaming HD video at up to 30 FPS. Featuring LILIN's Wide dynamic Range (WDR) feature, the IPS2102E 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 panning, users can accurately position the camera to identify specific targets

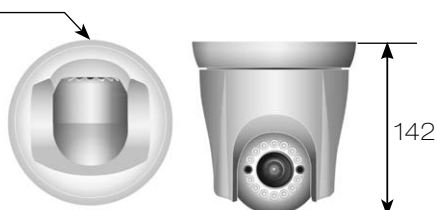
#### FEATURES :

- 10 Optical zoom Lens (4.9 – 49mm)
- 64X Digital zoom
- High efficiency IR LED, Radiant distance up to 16m
- Wide dynamic range
- Digital noise reduction
- Dynamic Privacy Zone Mask
- Horizontal Flip
- 360° Endless panning
- Up to 128 Programmable Preset Positions
- 2-way audio supported
- iPhone and Android Support
- Onvif Support
- Digital I/O: 1 in, 1 out

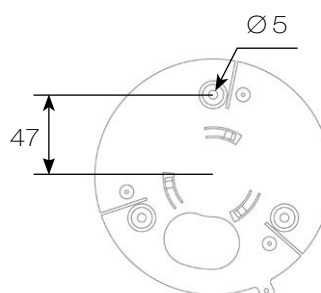
#### DIMENSIONS : (Unit : mm)

Ø135 x 142

Ø135



#### INSTALLATION HOLE SITE DIAGRAM :



## SPECIFICATION :

Name	10X Day & Night 1080P HD PTZ Dome IR IP Camera (Indoor)	
Model	IPS2102E	
Power supply	DC12V	PoE+
Power consumption	13W	15.5W
Image pick-up element	1/3" MOS Sensor	
Effective pixels	1944(H) x 1092(V) = 2,122,848 Pixels	
Total number of pixel	2010(H) x 1108(V) = 2,227,080 Pixels	
Scanning system	Progressive scan	
Video output	CVBS 1.0 Vp-p / 75 Ω BNC	
Minimum illumination	Color : 0.5 Lux at F1.8 , Mono : 0 Lux (IR ON)	
Ambient operation temperature	-10°C - + 50°C ( 14°F - 122°F )	
Operating humidity	0% - 90%	
IR led	Peak wavelength	850nm
	Radiant distance	16M
	Beam spread	30°
Dimensions	142 mm (H) x 135 mm (D)	
Weight	1100 g	
<b>Pan &amp; tilt</b>		
Panning range	360° Endless	
Panning mode	Manual , auto , manual position , sequential position	
Panning speed	Manual approx. 0.5 °/s - 90 °/s 8 Steps, Preset approx. 1 °/s - 120 °/s 8 Steps	
Tilting range	0° - 90°	
Tilting mode	Manual , auto , manual position , sequential position	
Tilting speed	Manual approx. 0.5 °/s - 90 °/s 8 Steps, Preset approx. 1 °/s - 120 °/s 8 Steps	
<b>Lens</b>		
Zoom ratio	10X Optical zoom	
Focal length	4.9 mm - 49 mm	
Minimum aperture ratio	1 : 1.8 (Wide) - 3.0 (Tele)	
Minimum object distance	1.0M (Tele)	
Angle field of view	Wide : 57.23°( H ) 34.07°( V ) , Tele : 6.25°( H ) 3.51°( V )	
Control function	Pan and Tilt / Zoom and Focus / Iris and ICR / 128 Preset Position / Home Position	
Digital zoom ratio	64X	
Zoom speed	1 - 15 Selectable [15 : approx. 5.0 second (In to Out) in manual mode]	
Focus speed	1 - 15 Selectable [15 : approx. 5.0 second (Far to Near) in manual mode]	
Focus	Auto ( Continue / Zoom Trigger / One Push), Manual Focus	
Iris	F1.8 - F16, Close	
Day & Night	Day / Night / Auto / Schedule	
Electric shutter speed	Auto / Manual(1/30(25) to 1/10,000)	
Sense up (Slow shutter)	OFF / Auto(x30)	
Back light compensation	OFF / HSBC / BLC / WDR	
Sharpness	Adjustable	
White balance	ATW / AWC / Manual (1800K - 10500K)	
Auto gain control	0 - 42 dB	
Digital noise reduction	OFF / ON ( 2D , 3D)	
Auto mode	OFF / AUTO / SEQ / TOUR / PATROL	
Privacy zone	OFF / ON ( Up to 8 Zones Settings )	
Digital effect	OFF / Mirror	
Schedule setting	OFF / Auto mode / Preset Position	
<b>Network</b>		
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 30/25 FPS at Full D1 resolution	
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 overly for date, time , camera name, and PTZ position	
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 Explore 6 , 7 , 8	
	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 and pda	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	
2-Way audio supported	G.711	
SD card recording	Support Micro SD/SDHC card for circular recording (card is not included)	

