



The IPS3102E is 10X Day & Night 1080P HD PTZ Dome IP Camera. The high-speed dome is capable of streaming HD video at up to 30 FPS. Featuring LILIN's Wide dynamic Range (WDR) feature, the IPS3102E 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.

### FEATURES :

- 10 Optical zoom Lens (4.9 – 49mm)
- 64X Digital zoom
- Wide dynamic range
- Digital noise reduction
- Sens. Up Function
- 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

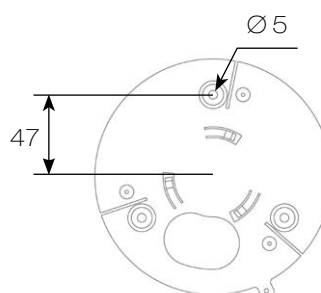
### DIMENSIONS : (Unit : mm)

Ø135 x 164

Ø135



### INSTALLATION HOLE SITE DIAGRAM :



## SPECIFICATION :

|                               |  |      |
|-------------------------------|--|------|
| Name                          | 10 Day & Night 1080P HD PTZ Dome IP Camera (Indoor)                                |      |
| Model                         | IPS3102E   |      |
| Power supply                  | DC12V  | PoE+ |
| Power consumption             | 11.5W  | 13W  |
| 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 : 0.1 Lux at F1.8                                   |      |
| Ambient operation temperature | -10°C - + 50°C ( 14°F - 122°F )  |      |
| Operating humidity            | 0% - 90%   |      |
| Dimensions                    | 164 mm (H) x 135 mm (D)  |      |
| Weight                        | 1150 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 )                      |      |
| <b>Main function</b>          |  |      |
| 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)<br>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<br>VBR / CBR / GOP supported  |
| Security                  | Base64 HTTP encryption   |
|                           | Multiple user access levels with password protection<br>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<br>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)   |

