



---

## 30X Day & Night 30fps Full HD PTZ Dome IP Camera



---

### Features

- Pan-tilt-zoom capabilities
- 30X optical zoom
- IR cut filter for day/night operations
- 1080p HD resolution
- Wide Dynamic Range up to 90dB

---

### Description

The IPS5304A / IPS5308A is 1080P Full 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 IPS5304A / IPS5308A captures highlights and shadows simultaneously, eliminating pixilation and smear. Combine this with 3D 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 with a speed range of 0.15°-360° per second, users can accurately position the camera to identify specific targets. The 30x optical zoom and 16x digital zoom capacity gives the IPS5304A / IPS5308A an impressive range. With a focal length of 4.3mm (WIDE)-129.0mm (TELE), IPS5304A / IPS5308A is ideal for numerous applications.

## Specifications

| Model                                     | IPS5304A   |
|---|--|
| Min. illumination/Low Light Mode (Colour) | 0.5 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF) , 0.1 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF) , 0.2 lux (1/8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF) , 0.01 lux (1/8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF) |
| Power Consumption                         | AC24V, 15.5W   |
| Power Supply                              | AC24V ±10%   |
| Pick Up Element                           | 1/2.8" CMOS image sensor   |
| Effective pixels                          | 1944 (H) × 1224 (V) = 2,379,456 (pixels)   |
| CE  | Yes, EMI CLASS A   |
| FCC                                       | Yes, EMI CLASS A   |
| Lens zoom ratio                           | 30X optical zoom   |
| Focal Length                              | 4.3mm (WIDE) - 129mm (TELE)  |
| Minimum Aperture Ratio                    | 1:1.6 (WIDE)-5.0 (TELE)  |
| Minimum object distance                   | 10cm (WIDE end), 1.5m (TELE end)   |
| Iris Range                                | F1.6 - 32, close   |
| Angle of View                             | (H) 64.45°(W) - 2.41°(T) (V) 39.27°(W) - 1.36°(T)  |
| 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                                |
| Operating temperature | -10°C - + 50°C ( 14°F - 122°F )  |
| Operating humidity    | 0% - 90%   |
| CPU                   | Intel® Core™ i3 or higher grade  |
| OS                    | Windows 7 or above   |
| RAM                   | 4GB or above, Dedicated Graphics Card  |
| Web browser           | Microsoft® Internet Explorer® 9 or above   |
| Dimensions            | 245mm x 155mm  |
| Weight                | 2300g approx.  |
| Control Function      | Pan and Tilt / Zoom and Focus / Iris and ICR / 128 Preset Position / Home Position   |
| ePTZ & Digital Zoom   | 16X  |
| Zoom Speed            | 0 - 7 Selectable [ Fast : Approx. 6.0 Second ( Tele to Wide ) in Manual Mode ]   |
| Focus Speed           | 0 - 7 Selectable [ Fast : Approx. 6.0 Second ( Far to Near ) in Manual Mode ]  |
| Iris Control          | DC IRIS , ALC ( Adjustable Output Target Level ) / Manual  |
| Live Video Output     | CVBS 1.0 Vp-p / 75 Ω BNC   |
| Alarm Input / output  | 6 Input (TTL 5Vdc) , 2 Output (0.5A 120Vac, 1A 24Vac)  |
| Video streaming       | RTP/HTTP, RTP/TCP, RTP/UDP, Multicast 4 configurable streams in H.264 and Motion JPEG, configurable frame rate and bandwidth |
| Video bitrate         | 128 Kbps to 8 Mbps ; Frame rate and bitrate controllable on-the-fly ; VBR / CBR / GOP supported                              |

|                               |  |
|-------------------------------|--|
| Resolution                    | 1080P ( 1920 x 1080 ) , 720P ( 1280 x 720 ) , D1 ( 720 x 480, 720 X 576 ) , CIF (352 X 240)                    |
| Maximum Frame Rate            | H.264: up to 30FPS @ 1920 x 1080 ; Motion JPEG: up to 30FPS @ 720 x 480  |
| Infrared Cut Filter           | Colour (Day), Monochrome (Night), Auto   |
| Scanning System               | Progressive scan   |
| White Balance                 | ATW/Indoor(3200K)/Outdoor(5800K) /Manual(1800K ~10500K)  |
| Electrical Shutter            | Auto / manual(1/1 to 1/100,000)  |
| Exposure Mode                 | Auto / Manual  |
| Back Light Compensation (BLC) | Off / BLC / WDR  |
| 3D Noise Reduction            | Off / On (2D, 3D)  |
| Privacy Masking               | Off / On (up to 16 areas)  |
| Auto Mode                     | Off / AUTO / SEQ / TOUR  |
| PTZ Control                   | Pan, tilt, zoom-in / zoom-out, absolute position, and mouse click function                                     |
| Schedule Setting              | Off / Auto Mode / Preset position  |
| Auto Gain Control             | 50dB Variable Gain   |
| Image Effects                 | Contrast, Sharpness, Mirror, Flip, Defog, DIS, Digital Zoom(x16)   |
| Mobile Application            | Integrated to LILIN mobile app (LILINViewer) , iPhone, iPad, Android support                                   |
| Video Management              | ONVIF Profile S / LILIN Navigator Enterprise 1.0 and 2.0 / Third party VMS through LILIN HTTP API              |
| SD Card (recording)           | Support Micro SD/SDHC/SDXC card for circular recording (card is not included)                                  |
| Maintenance                   | Firmware upgrade via HTTP Firmware available to download at <a href="http://meritlilin.com">meritlilin.com</a> |
| IVS Basic 1.0                 | Motion Detection, Audio detection  |
| Alarm event triggers          | Alarm / motion / audio / Network lost detection  |
| Alarm event actions           | FTP, HTTP post, SD card  |

| Alarm weighted mode        | Support   |
|----------------------------|---|
| Network Interface/Ethernet | 10Mbps / 100Mbps, RJ-45   |
| User accounts              | 10 simultaneous users   |
| OSD                        | Text overlay for date, time, and camera name, and PTZ position  |
| CPU.Memory                 | Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory  |
| Video Display              | LILIN Universal ActiveX & LILIN Java Applet   |
| Network OS                 | Embedded Linux 2.6.32   |
| Audio                      | 2-way audio , G.711   |
| Protocols                  | IPv4, IPv6, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF profile S, SNMP, Bonjour |
| Address Filter             | Yes   |
| Multi IP address           | Yes   |
| Max number of online users | 10 user accounts available  |
| Access                     | Multiple user access levels with password protection  |
| Encryption                 | Base64 HTTP encryption  |
| Authentication             | Digest HTTP authentication, RTSP authentication   |