



NETWORK PRODUCTS

IPS 303 / 312

2.6X / 12X Day & Night Super High-Resolution Fast Dome IP Camera Series

 **LILIN.**



IPS 303 / 312

Network Products
Full D1 IP Fast Dome Camera

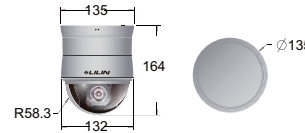
2.6X / 12X Day & Night Super High-Resolution Fast Dome IP Camera Series



Features

- 2.6X Optical Zoom Lens(2.8 ~ 7.3 mm) / 12X Optical Zoom Lens (3.8 ~ 45.6mm)
- True H.264 AVC/MPEG-4 Part 10 Real-Time Video Compression
- Privacy Zone Masking Function
- Higher Horizontal Resolution of 540 TV Line
- Auto Focus Lens
- Horizontal Flip Function
- Auto Panning Function with Auto Scan or Seq. or Tours
- 360° Endless Panning
- Multi-Protocol
- iPhone and Android support

Dimension $\Phi 135$ mm x 164 mm



(Unit:mm)

IP FAST DOME CAMERA SERIES

2.6X / 12X Day & Night Super High-Resolution Fast Dome IP Camera Series

| | | IPS3034N | IPS3038N | IPS3034P | IPS3038P | IPS3124N | IPS3128N | IPS3124P | IPS3128P | |
|---------------------|---|--|---|---|---|--|---|---|---|---|
| General | Model | IPS3034N | IPS3038N | IPS3034P | IPS3038P | IPS3124N | IPS3128N | IPS3124P | IPS3128P | |
| | System | NTSC | | PAL | | NTSC | | PAL | | |
| | Power Supply | AC 24V $\pm 10\%$ | AC 100V ~ 240V $\pm 10\%$ | AC 24V $\pm 10\%$ | AC 100V ~ 240V $\pm 10\%$ | AC 24V $\pm 10\%$ | AC 100V ~ 240V $\pm 10\%$ | AC 24V $\pm 10\%$ | AC 100V ~ 240V $\pm 10\%$ | |
| | Power Consumption | 11.5 W | | | | | | | | |
| | Image Pick-up Device | Sony 1/4" Super HAD CCD | | | | | | | | |
| | Effective Pixels | 768 (H) x 494 (V) | | 752 (H) x 582 (V) | | 768 (H) x 494 (V) | | 752 (H) x 582 (V) | | |
| | Scanning System | 2:1 Interlace | | | | | | | | |
| | Scanning Frequency | 15.734 KHz (H), 59.94 Hz (V) | | 15.625 KHz (H), 50 Hz (V) | | 15.734 KHz (H), 59.94 Hz (V) | | 15.625 KHz (H), 50 Hz (V) | | |
| | Synchronization | Internal | | | | | | | | |
| | Video Output | CVBS 1.0 Vp-p / 75 Ω BNC | | | | | | | | |
| | Horizontal Resolution | Color : 540 TV Lines, Mono : 600 TV Lines | | | | | | | | |
| | Signal to Noise Ratio | More Than 50 dB (AGC : Off) | | | | | | | | |
| | Minimum Illumination | Color : 0.5 Lux at F1.9, Mono : 0.1 Lux at F1.9 | | | | Color : 0.3 Lux at F1.6, Mono : 0.06 Lux at F1.6 | | | | |
| | Ambient Operation Temperature | -10°C ~ +50°C (14°F ~ 122°F) | | | | | | | | |
| | Operating Humidity | 0% ~ 90% | | | | | | | | |
| Dimensions | 164 mm (H) x 135 mm (D) | | | | | | | | | |
| Weight | 1150g | | | | | | | | | |
| Pan & Tilt | 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 | | | | | | | | |
| | Tilting Range | 0° ~ 90° | | | | | | | | |
| | Tilting Mode | Manual, Auto, Manual Position, Sequential Position | | | | | | | | |
| Lens | Tilting Speed | Manual Approx. 0.5°/s ~ 90°/s 8 Steps, Preset Approx. 1°/s ~ 120°/s | | | | | | | | |
| | Zoom Ratio | 2.6X Optical Zoom | | | | 12X Optical Zoom | | | | |
| | Focal Length | 2.8 mm ~ 7.3 mm | | | | 3.8 mm ~ 45.6 mm | | | | |
| | Maximum Aperture Ratio | 1 : 1.9 (Wide) ~ 3.1 (Tele) | | | | 1 : 1.6 (Wide) ~ 2.7 (Tele) | | | | |
| | Minimum Object Distance | 0.6 m | | | | 1 m | | | | |
| | Iris Range | F/1.9 ~ F/200 | | | | F/1.6 ~ F/360 | | | | |
| | Angle Field of View | Wide : 92.2°(D) 73.4°(H) 54.7°(V) / Tele : 35.8°(D) 28.7°(H) 21.6°(V) | | | | Wide : 65.4°(D) 52.8°(H) 39.7°(V) / Tele : 5.54°(D) 4.49°(H) 3.40°(V) | | | | |
| Main Function | Control Interface | RS-485 Half-Duplex | | | | | | | | |
| | Control Function | Pan and Tilt and Zoom / Iris / 128 Preset Position / Home Position | | | | Pan and Tilt / Zoom and Focus / Iris and ICR / 128 Preset Position / Home Position | | | | |
| | Character Display | On / Off (Preset ID : 16 Alphanumeric Characters, Zoom Ratio, Date / Time, Pan / Tilt Angle) | | | | | | | | |
| | Zoom Speed | 1 ~ 8 Selectable [8 : Approx. 3.0 Second (Tele to Wide) in Manual Mode] | | | | 1 ~ 15 Selectable [15 : Approx. 6.0 Second (Tele to Wide) in Manual Mode] | | | | |
| | Focus Speed | None | | | | 1 ~ 15 Selectable [15 : Approx. 3.0 Second (Far to Near) in Manual Mode] | | | | |
| | Focus | Pan-focus Zoom | | | | Auto / One Push | | | | |
| | Iris | ALC (Adjustable Output Target Level) | | | | | | | | |
| | Day & Night | Day (Color) / Night (Mono) / Auto / Schedule | | | | Day (Color) / Night (Mono) / Auto (ICR Filter Function) / Schedule | | | | |
| | Password Lock | Camera Advance / Presets / Privacy Zones / Factory Initial | | | | | | | | |
| | Electronic Shutter Speed | Auto / Manual Selectable (1/60 ~ 1/100,000 sec) | Auto / Manual Selectable (1/50 ~ 1/100,000 sec) | Auto / Manual Selectable (1/60 ~ 1/100,000 sec) | Auto / Manual Selectable (1/50 ~ 1/100,000 sec) | Auto / Manual Selectable (1/60 ~ 1/100,000 sec) | Auto / Manual Selectable (1/50 ~ 1/100,000 sec) | Auto / Manual Selectable (1/60 ~ 1/100,000 sec) | Auto / Manual Selectable (1/50 ~ 1/100,000 sec) | Auto / Manual Selectable (1/60 ~ 1/100,000 sec) |
| | Back Light Compensation | On / Off Selectable | | | | | | | | |
| | White Balance | ATW / MWB Selectable | | | | | | | | |
| | Auto Gain Control | 0 ~ 36 dB Selectable | | | | | | | | |
| | Auto Mode | OFF / AUTO / SEQ / TOUR | | | | | | | | |
| | Privacy Zone | On / Off Selectable (Up to 4 Zones Settings) | | | | | | | | |
| Image Mirror | On / Off Selectable | | | | | | | | | |
| Schedule Setting | Day & Night / Auto Mode / Daylight Saving Time | | | | | | | | | |
| Peripheral Products | II1748D 17W (PoE Injector) / SL1212D 12W (PoE Splitter) | | | | | | | | | |

Notice: Please refer appendixes to see network function specifications.

Design and specifications are subject to change without notice.





APPENDIXES

| NETWORK | |
|------------------------------|--|
| Video Compression | H.264/AVC Main Profile , Level 3 (I / P / B frames) , Motion JPEG |
| Resolution | Full D1 : 720 x 480 (NTSC) / 720 x 576 (PAL) |
| | CIF : 352 x 240 (NTSC) / 352 x 288 (PAL) |
| Frame Rate | H.264 : up to 30/25 FPS at full D1 resolution |
| | JPEG : 1 FPS at CIF |
| Video Streaming | Simultaneous Motion JPEG and H.264 AVC Main Profile |
| | Program Stream (PS) and Transport Stream (TS) |
| OSD Image Watermark | Time / Date and Camera Title |
| Audio Compression | G.711 / AAC |
| Video Bitrate | 3 Mbps to 56 Kbps |
| | Frame rate and bitrate controllable on-the-fly |
| | VBR / CBR supported |
| CAVLC/CABAC | Supported |
| Security | Base64 HTTP encryption |
| | Multiple user access levels with password protection |
| | 10 user accounts available |
| Users | 8 simultaneous unicast users (H.264) |
| | 8 simultaneous HTTP users (H.264) |
| | 8 simultaneous HTTP users (JPEG) |
| | Unlimited users using multicast (H.264) |
| Motion | 15*10 motion detection zone |
| | Image upload over FTP and e-mail by motion detection |
| CPU, Memory | Embedded SoC ARM926 , 166 Mhz , 64MB DDR , 4 MB flash memory |
| 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 |
| | Browser : Windows Internet Explorer 5.0 or above |
| | CPU : Intel Pentium 4 1.8GHz or above |
| | RAM : 1GB or above , Independent Display Card |
| Onvif | Onvif supported |
| Network Protocols | IP,TCP,UDP,HTTP,SMTP,ESMTP,NTP,DDNS,FTP,ARP,DHCP,PPPoE, DNS,Telnet,RTP,RTSP,RTCP |
| Mobile Phone and PDA Support | iPhone and Android support |
| System Integration | HTTPAPI / CMX downloadable |
| Video Display | VLC : H.264 HTTP , unicast , and multicast streaming |
| | ActiveX : for JPEG |
| OS | Embedded Linux 2.6.9 |
| Alarm Input / Output | 1 input / 1 Output (N.O. / N.C.) |