

L series | IP dome camera

LD2322X

Day/Night HD Recessed Dome IP Camera

www.meritlilin.com

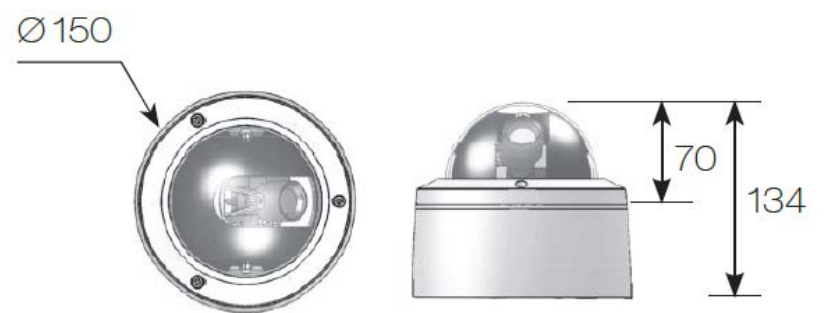


| | | |
|------------------------|------------------------------------|------------------------------|
| 2-way audio | Back Light Compensation | SD card recording |
| Day/Night | Discreet dome | IP based PoE |

- ▶ Stylish recessed dome camera
- ▶ IR cut filter for day/night operations
- ▶ Surface/recessed mount conversion kit supplied
- ▶ 1080p resolution

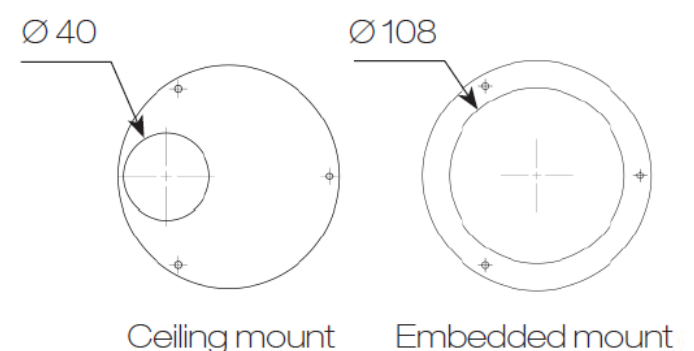
Dimensions: (unit: mm)

Ø 150 x 134



LD2322X features an embedded mount as well as ceiling mount installations in response to a diverse array of environments for total situational awareness. The visible part of the camera housing extends only 7mm in below the ceiling, giving the housing a low-profile look. When motion triggers cameras, you will receive email alerts at the first sign of trouble. Support with PoE, privacy mask, 3D noise reduction, 2D WDR function, and minimum illumination 0.05 lux at F1.5 low light mode. LD2322X recessed dome camera is an ideal solution for public environments where discreet surveillance is needed

Diagram of mounting holes: unit in mm



Video Security App

Available on Android and iOS – **LILINViewer** app provides security alarm push notification, real-time live viewing, and remote video playback



SD Cards in Sync with NAV Software

LD2322X camera with built-in Micro SD/SDHC card slots can provide redundant video viewing and recording. You can synchronize an SD card with LILIN VMS (Video Management Software) – Navigator (NAV)



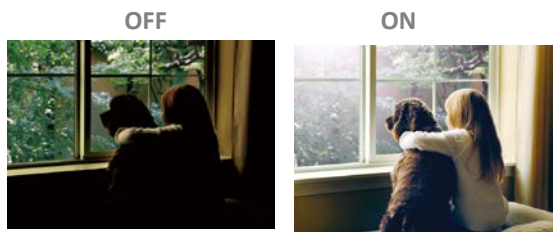
Day and Night Operations via Removal of the IR-cut filter

LD2322X camera was designed using a mechanical IR cut filter for increased IR sensitivity resulting in improved night time images. The removable IR-cut filter allows day and night operations even in the low lux condition providing outstanding vision



Back Light Compensation

Back Light Compensation (BLC) adjusts the exposure of the entire image to properly expose the subject in the foreground. No matter if the main object is moving toward left, right, upper, lower, or any location in the screen, BLC provides perfect exposure for an object in front of strong back light



Sense Up+

Deliver outstanding video outputs in poor light conditions without experiencing motion blur. You can see video clearly even during nighttime without sufficient lighting support



3D Noise Reduction

Remove noise from a signal. Suppressing noise in an image in low light conditions and able to retain quality videos at the same time



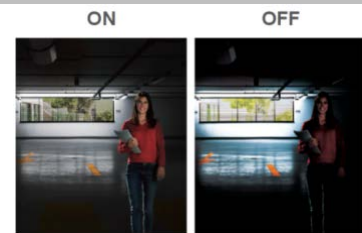
Two-way Audio Support

With 2-way audio communication, you can project your voice through the camera's speaker instead of hearing what's going on



Wide Dynamic Range (WDR)

Wide Dynamic Range (WDR) displays details of both the brightest and darkest areas. WDR can extend image visibility under high contrast lighting scenes and improve image quality



Alarm Detection

Alarm Detection is designed to provide the electronic detection of intruders



Privacy Masking

Privacy Masking is a feature used to protect personal privacy by concealing private areas in the camera's field of view. Doorways and house windows for example are not subject to surveillance



Motion Detection

Detect motion and capture the event. Motion in the selected area will provoke an alert.



Audio Detection

With Audio Detection technology, an alarm is triggered based on ambient sound conditions as the threshold



Day/Night HD Recessed Dome IP Camera

Video performance

| | |
|-------------------------|--------------------|
| Model# | LD2322EX3.6 |
| Low Light Mode (Colour) | 0.05 Lux at F1.4 |
| With Infrared | 0.0 lux |
| 2D WDR | Off / x2 / x3 / x4 |

Power

| | |
|-------------------|--|
| Power consumption | DC12V, 6W / PoE, 7.5W |
| PoE | IEEE 802.3af |
| Power supply | DC12V ±10% Power over Ethernet (IEEE 802.3af compliant) |

Sensor

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|---------------------|--|
| Sensor type | 1/2.7" CMOS image sensor |
| Total sensor pixels | 1920 (H) x 1080 (V) = 2,073,600 pixels |

Lens

| | |
|---------------|---|
| Focal length | 2.8 mm ~ 12 mm |
| Iris | F1.4 |
| Angle of View | H 91.2° ~ 25.5° V 59.4° ~ 22.4° D 99° ~ 37.3° |

Environmental

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|-----------------------|-------------------------------|
| Operating temperature | -25°C ~ +50°C (-13°F ~ 122°F) |
|-----------------------|-------------------------------|

PC requirement

| | |
|-----|---|
| CPU | Intel Pentium 4 1.8GHz or above |
| OS | Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8 |
| RAM | 1GB or above, Independent Display Card |

Mechanical

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|------------|---------------|
| Dimensions | Ø 150 x 134mm |
| Weight | 600g approx. |

Input / output

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|----------------------|---|
| Audio input / output | Mono, 1.4 Vp-p, 50 KΩ, 3.5mm phone jack |
| Alarm input / output | Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load max. 40VDC/300mA) |
| Live video output | CVBS 1.0Vp-p, 75 ohm, RCA connector |

Certifications

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|-----|--|
| CE | Emission EN 55022:2010 Class A IEC 61000-3-2:2005+A1:+A2:2009 IEC 61000-3-3:2008 |
| FCC | Emission FCC Part 15: Subpart B (10-1-10 Edition) Class A CISPR 22: 2008 Class A |

Network security

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|---------------|--|
| User accounts | 10 user accounts available |
| Access | Multiple user access levels with password protection |
| Encryption | Base 64 HTTP encryption |

Video streaming

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|---------------------|---|
| Video compression | H.264, Motion JPEG |
| Streaming | RTP/HTTP, RTP/TCP, RTP/UDP, Multicast Multiple configurable streams in H.264 and M-JPEG, configurable frame rate and bandwidth |
| Bitrate | 128Kbps ~ 5Mbps Frame rate and bitrate controllable on-the-fly VBR / CBR / GOP supported |
| IP filter | Yes |
| RTSP Authentication | On / Off |

Video resolution (H x V)

| | |
|--------------------|---|
| 1080p HD | 1920 x 1080 |
| 720p HD | 1280 x 720 |
| D1 | 720 x 480 |
| CIF | 352 x 240 |
| Maximum frame rate | H.264 : up to 15 fps @ 1920 x 1080, 30fps @ 1280 x 720, 30fps @ 720 x 480 Motion JPEG : up to 15 fps @ 1920 x 1080, 30 fps @ 720 x 480, 30 fps @ 352 x 240 |

Video functions

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|----------------------------|--|
| Day/Night (IR-cut filter) | Colour (Day), Monochrome (Night), Auto, Schedule |
| Scanning system | Progressive scan |
| Chip size | 5.856mm (H) x 3.276mm (V) |
| Adjustable picture setting | Contrast, Brightness, Saturation |
| White balance | Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2 |
| Shutter | 1/30(1/25)s to 1/8000s |
| Back light compensation | On / Off |
| 3D noise reduction | Off / 1 to 32 selectable |
| Privacy masking | Four independent areas |
| Sense Up | Off / 1 frame / 2 frames / 3 frames / 7 frames |
| Sense Up+ | Yes |
| Auto gain control | 36 dB variable gain |
| Other functions | Sharpness, Image flip, Image mirror, Hue |
| D/N quality setting | Yes |

Integration

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|---------------------|--|
| Mobile application | Integrated to LILIN mobile app (LILINViewer) iPhone, iPad, Android support |
| Video management | ONVIF Profile S LILIN NAV 1.0 Third party VMS through LILIN HTTP API |
| SD card recording | Support Micro SD/SDHC card for circular recording (card is not included) |
| Web browser | Microsoft® Internet Explorer® 6.0 and later |
| Firmware | Firmware upgrade via HTTP |
| Alarm functions | Alarm / audio / motion detection triggering recording into SD card Image upload over FTP and E-mail by audio / motion detection |
| Alarm event | FTP,SMTP, HTTP post, SD card, SAMBA |
| Alarm weighted mode | Yes |

Network

| | |
|------------------|--|
| Ethernet | 10Mbps / 100Mbps Base-T, RJ-45 |
| Connectivity | ONVIF Profile S |
| Users | 8 simultaneous users |
| Digital zoom | Yes |
| OSD | Text overlay for date, time and camera name |
| CPU, Memory | Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory |
| Video display | LILIN Universal ActiveX & LILIN Java Applet |
| OS | Embedded Linux 2.6.32 |
| 2-way audio | G.711 / PCM |
| Protocols | IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SNMP, SIP, Bonjour |
| Multi IP address | Yes |