

# LR632

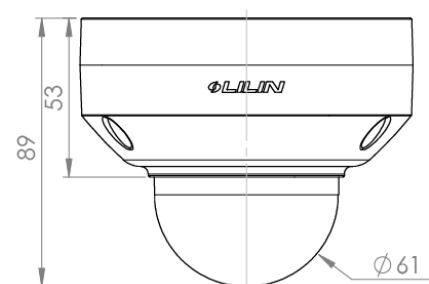
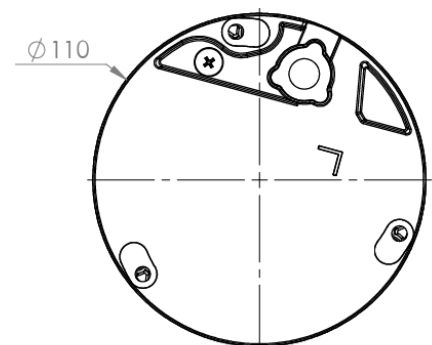
## Outdoor HD 30M-Range IR Fixed Dome IP Camera



- ▶ Outdoor Dome Camera
- ▶ IR cut filter for day/night operations
- ▶ IP67 rain and dust resistant
- ▶ 30-meter infrared night vision
- ▶ 1080p resolution @ 15 FPS



**Dimensions (unit in mm):** Ø110mm x 89mm



LR632 HD 30M-Range IR Fixed Dome IP Camera in the L series features 1080p resolution at 15 frames per second, built-in Sense up+ technology to deliver stunning video in low-light conditions, and intelligent video surveillance (IVS) functions. Utilizing IP67, HDR, AGC control, and 3D Noise Reduction, the combination successfully delivers the ultimate low-light image with infrared. The support of PoE, privacy mask, and white balance, as well as the minimum illumination of 0.15 Lux at F2.0 will satisfy multiple applications.

## Wind and Rain Standards

Meet international IP67 standards for dust and moisture resistant. In installations in environments, all cameras are subject to wind and rain

## Sense Up+

Sense up+ is able to deliver outstanding video outputs in poor light conditions without experiencing motion blur. With this technology, you can see video more clearly during nighttime when sufficient lighting is lacking.



## Video Security App

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



## ONVIF-compliant

Open Network Video Interface Forum (ONVIF) is a standard for physical IP based security products. LR632 camera is ONVIF Profile S conformant



## 3D Noise Reduction

This function removes noise occurred in a video. Suppressing noise in low light conditions will retain details in a video and optimize the quality.



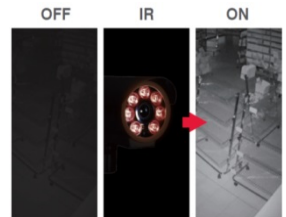
## Back Light Compensation

Back Light Compensation (BLC) adjusts the exposure of the entire image to properly expose the subject of interest. Whether the subject is moving toward left, right, up, down, or any direction on the screen, BLC will provide the perfect exposure for the subject in front of a strong back light.



## Built-in IR Illumination

The camera includes infrared (IR) LEDs for IR illumination to provide night vision up to 30 meters.



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

LR632 is equipped with a mechanical IR cut filter to increase IR sensitivity and improve nighttime images. The adjustable filter allows day and night operations even in the low lux conditions, and can provide outstanding vision.



## Motion Detection

If properly set up, any motion in front of the camera will be detected and saved as an event. Motion in the selected area will provoke an alert.



## Privacy Masking

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



## SD Cards in Sync with NAV Software

The camera is designed with Micro SD/SDHC/SDXC card slots to provide video playback and recording. You can even synchronize an SD card with LILIN VMS (Video Management Software) – Navigator (NAV).



## Outdoor HD 30M-Range IR Fixed Dome IP Camera (1080p @ 15 FPS)

| Video performance |                                                    |
|-------------------|----------------------------------------------------|
| Model#            | LR632                                              |
| Min. Illumination | 0.15 Lux at F2.0 (Color)<br>0.05 Lux at F2.0 (B/W) |
| With Infrared LED | 0 Lux                                              |

| Power             |                                                                 |
|-------------------|-----------------------------------------------------------------|
| Power consumption | DC12V, 4.8W / PoE, 6W                                           |
| PoE               | IEEE 802.3af                                                    |
| Power supply      | DC12V $\pm$ 10%<br>Power over Ethernet (IEEE 802.3af compliant) |

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

| Certifications |                  |
|----------------|------------------|
| CE             | Yes, EMI CLASS B |
| FCC            | Yes, EMI CLASS B |
| IP Rating      | IP67             |
| Vandal rating  | IK10             |

| PC requirement |                                       |
|----------------|---------------------------------------|
| CPU            | Intel i3 or above                     |
| OS             | Windows 7, Windows 8, Windows 10      |
| RAM            | 4GB or above, dedicated graphics card |

| Mechanical |                      |
|------------|----------------------|
| Dimensions | 110mm x 88mm approx. |
| Weight     | 500g                 |

| Video streaming   |                                                                                                                                        |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Video compression | H.264, Motion JPEG                                                                                                                     |
| Streaming         | RTP/HTTP, RTP/TCP, RTP/UDP, Multicast<br>Multiple configurable streams in H.264 and Motion JPEG, configurable frame rate and bandwidth |
| Bitrate           | 128Kbps - 8Mbps<br>Frame rate and bit rate controllable on-the-fly<br>VBR / CBR / GOP supported<br>Fixed bitrate                       |

| Network security    |                                                      |
|---------------------|------------------------------------------------------|
| User accounts       | 10 user accounts available                           |
| Access              | Multiple user access levels with password protection |
| Encryption          | Base 64 HTTP encryption                              |
| IP address filter   | Yes                                                  |
| RTSP Authentication | On / Off                                             |

| Integration          |                                                                                                     |
|----------------------|-----------------------------------------------------------------------------------------------------|
| Mobile application   | Integrated to LILIN mobile app (LILIN Pro)<br>iPhone, iPad, Android support                         |
| Video management     | ONVIF Profile S<br>LILIN Navigator Enterprise 1.0 and 2.0<br>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® 9.0 and later                                                         |
| Firmware             | Firmware upgrade via HTTP, and IP Scan                                                              |
| Alarm event triggers | Motion/Network lost detection                                                                       |
| Alarm event actions  | FTP, SMTP, HTTP post, SD card, SAMBA                                                                |
| Alarm weighted mode  | Yes                                                                                                 |

| Environmental         |                               |
|-----------------------|-------------------------------|
| Operating temperature | -40°C - +50°C (-40°F - 122°F) |

| Lens / Night vision (infrared LED) |       |      |
|------------------------------------|-------|------|
| Focal length                       | 4mm   |      |
| Iris                               | F2.0  |      |
| Angle of view                      | H     | 94°  |
|                                    | V     | 50°  |
|                                    | D     | 102° |
| Distance                           | 30m   |      |
| Peak wavelength                    | 850nm |      |
| Beam spread                        | 60°   |      |

| Video resolutions (H x V) |                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------|
| 1080p                     | 1920 x 1080                                                                       |
| 720p                      | 1280 x 720                                                                        |
| D1                        | 720 x 480                                                                         |
| CIF                       | 352 X 240                                                                         |
| Maximum frame rate        | H.264: up to 15 FPS @ 1920 x 1080,<br>30 FPS @ 720 x 480                          |
|                           | Motion JPEG: up to 15 FPS @ 1920 x 1080<br>30 FPS @ 720 x 480, 30 FPS @ 352 x 240 |

| Video functions            |                                                                                |
|----------------------------|--------------------------------------------------------------------------------|
| Day/Night (IR-cut filter)  | Color (Day), Monochrome (Night), Auto, Schedule                                |
| Scanning system            | Progressive scan                                                               |
| 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                                                                       |
| 2D WDR                     | Off / Auto / x2 / x3 / x4                                                      |
| 3D noise reduction         | Off / 1 to 32 selectable                                                       |
| Privacy masking            | Off / On (4 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, Corridor                             |
| D/N quality setting        | Yes                                                                            |

| Network          |                                                                                                                                                          |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet         | 10Base-T / 100Base-TX, RJ-45                                                                                                                             |
| Connectivity     | ONVIF Profile S / LILIN API (CGI)                                                                                                                        |
| Users            | 10 simultaneous users                                                                                                                                    |
| OSD              | Text over date, time, and camera name                                                                                                                    |
| CPU, Memory      | Embedded SoC ARM11, 528MHz, 256MB<br>DDR3, 256MB flash memory                                                                                            |
| Video display    | LILIN Universal ActiveX & LILIN Java Applet                                                                                                              |
| OS               | Embedded Linux 2.6.32                                                                                                                                    |
| Protocols        | IPv4, IPv6, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SNMP, SIP, SDDP, Bonjour |
| Languages        | English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese                        |
| Multi IP address | Yes                                                                                                                                                      |

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