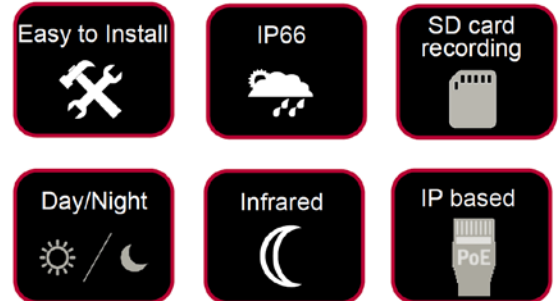


# SR8222

## Outdoor HD 35M IR Range Fixed Lens IP Camera

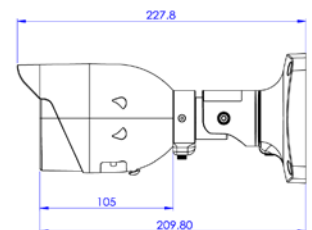
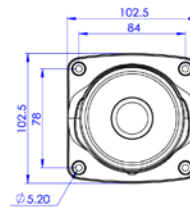


- ▶ Outdoor Bullet Camera
- ▶ IR cut filter for day/night operations
- ▶ IP66 rain and dust resistant
- ▶ 35-meter infrared night vision
- ▶ 1080p resolution @ 60fps



### Dimensions (unit in mm):

Body: 102.5(W) x 102.5(H) x 227.8(D)  
approx.



### An ideal outdoor camera for low-light conditions

SR8222 is an outdoor IP camera ideal for low-light conditions. In the combination of HDR, 3D noise reduction, intelligent image signal processing, and the built-in Sense-up+ technology, SR8222 delivers excellent image under low-light conditions without any motion blur. The embedded ROI function allows you to select the specific area based on your request, providing clear and detailed images which feed your needs. SR8222 provides outstanding performance under various difficult weather conditions for its IP66-rated house is designed to withstand rain and dust.

# Product Features

## High Dynamic Range

A High Dynamic Range image displays details of both the brightest and darkest areas. HDR extend image visibility scenes and improve image quality.



## 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



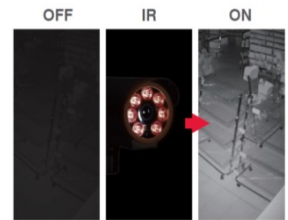
## Sense Up+

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



## Built-in IR Illumination

IP camera with infrared (IR) illumination where IR LEDs are built-in. Built-in with IR LED, the camera provides night vision up to 35 meters



## Video Security App

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



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

IP 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



## ONVIF-compliant

Open Network Video Interface Forum (ONVIF) is a standard for physical IP based security products. MR8322 camera is ONVIF Profile S conformant



## Motion Detection

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



## Tamper Detection

Automatically detects camera sabotage or failure. Detects any attempts to tamper with the camera – partially or completely blocking its lens or field of view



## Alarm Detection

Alarm Detection is designed to provide the electronic detection of intruders



## SD Cards in Sync with NAV Software

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



## 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



# Technical Specifications

## Outdoor HD 35M IR Range Fixed Lens IP Camera (1080P @ 60fps)

### Video performance

Model#	SR8222
Min. Illumination	0.08 Lux at F2.0 (Color) 0.03 Lux at F2.0 (B/W)
With Infrared LED	0 Lux

### Power

Power consumption	DC12V, 13.2W / PoE+, 14.8W
PoE	IEEE 802.3at
Power supply	DC12V ±10% Power over Ethernet (IEEE 802.3at compliant)

### Sensor

Sensor type	1/2.86" MOS image sensor
Total sensor pixels	1952 (H) x 1266 (V) = 2,471,232 pixels

### Certifications

CE	Yes
FCC	Yes
IP Rating	IP66 waterproof

### PC requirement

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

### Mechanical

Dimensions	102.5(W) x 102.5(H) x 227.8(D) approx.
Weight	920g approx.
Window	Ø75mm Heat Resistant Glass

### Input / output

Live video output	CVBS 1.0Vp-p, 75 ohm, connector
Audio input / output	Mono, 1.98Vp-p, Terminal block
Alarm input / output	Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load max. 40VDC/300mA), Terminal block

### Video streaming

Video compression	H.264 High/Main Profile, Motion JPEG
Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast 3 configurable streams in H.264 and Motion JPEG, configurable frame rate and bandwidth
Bitrate	128Kbps – 12Mbps Frame rate and bit rate controllable on-the-fly VBR / CBR / GOP supported Fixed bitrate

### Network security

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

### Integration

Mobile application	Integrated to LILIN mobile app (LILIN Viewer) 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 (up to 128GB) 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 functions	Motion/Tamper/Audio/Alarm/Network lost detection
Alarm event	FTP, HTTP post, SD card, SAMBA

Intelligent Video Surveillance	Motion detection, Tamper detection, Zone Entering, Direction detection, Zone crossing
--------------------------------	---

### 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	84°
	V	45°
	D	100°
Distance	35m	
Peak wavelength	850nm	
Beam spread	60°, 90°	

### Video resolution (H x V)

1080P	1920 x 1080
1280x960	1280 x 960
720P	1280 x 720
D1	720 x 480, 720 x 576
VGA	640 x 480
CIF	352 X 240
Maximum frame rate	Normal Mode: H.264 : up to 60 FPS @ 1920 x 1080, MJPEG : up to 30 FPS @ 720 x 480
	HDR & Defog Mode H.264 : up to 30 FPS @ 1920 x 1080, MJPEG : up to 30 FPS @ 720 x 480
Alarm weighted mode	Yes

### 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 1/30000s
Back light compensation	On / Off
2D WDR	Off / Auto / x2 / x3 / x4 (by normal mode)
High dynamic range	Up to 120dB (by HDR mode, 2 shutter line interleave)
3D noise reduction	Off / 1 to 32 selectable
Privacy masking	Off / On (4 independent areas)
Sense Up	Off / 1 frame / 2 frames
Sense Up+	Yes
Auto gain control	54 dB variable gain
D/N quality setting	Yes
Other functions	Sharpness, Hue, Image flip, Image mirror, Defog

### Network

Ethernet	10Base-T/100Base-TX/1000Base-T, RJ-45
Connectivity	ONVIF Profile S / LILIN API (CGI)
Users	10 simultaneous users
OSD	Text overlay for date, time, and camera name
CPU, Memory	Embedded SoC, 1.2GHz Dual ARM Cortex-A9, 1GB DDR3L, 256MB flash memory
Video display	LILIN Universal ActiveX, LILIN Java Applet & HTML5
OS	Embedded Linux 3.8.0
Multi IP address	Yes
2-way audio supported	G.711 / PCM
Protocols	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, SIP, MQTT, QoS, SNMP, SNMP Trap, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SDDP, Bonjour
Languages	English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese