SR6422EX3 1080P Day & Night Vari-Focal IR Vandal Resistant Dome IP Camera

www.meritlilin.com

1080P HD · 1080P HD

SD Card Recording

HDR

2Way Audio

FCC Certified

CE Certified

▶ Full HD 2 megapixel MOS image sensor
▶ 60 fps@1080P True H.264 AVC High Profile video compression
▶ H.264 and Motion JPEG multi-profile video streaming
▶ 3D noise reduction (MCTF)
▶ 2D WDR function
▶ HDR function up to 120dB
▶ Digital PTZ supported
▶ IVS supported
▶ Tampering detection / audio detection / motion detection alarm function
▶ High efficiency IR LED, radiant distance up to 35M
▶ Day & Night (IR cut removable)
▶ 2-way audio supported
▶ Digital I/O : 1 in, 1 out
▶ 3-Axis construction
▶ ONVIF Profile S supported
▶ Defog function
▶ IP67 rain and dust resistant
▶ Vandal resistant approve
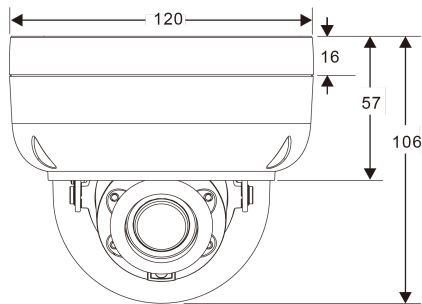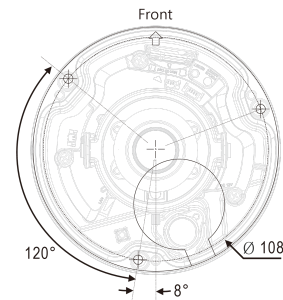

Dimensions
Ø120 × 106 mm

Diagram of mounting holes:(unit in mm)

   SR6422EX3 is a perfect IP camera choice for low-light conditions. It features 1080P@60fps and full HD 2.0 megapixel CMOS image sensor, ensuring to provide users with superb image quality. In the combination of HDR up to 120dB, 3D noise reduction, intelligent image signal processing, and the built-in Sense-up+ technology, SR6422EX3 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. Its ip67-rated house designed and impact resistant polycarbonate dome cover makes sure that users can withstand of various difficult weather conditions such as rain, dust and fog.

Wind and Rain Standards

Meet international IP67 standards for dust and moisture resistant allowing you to install cameras in environments subject to wind and rain

Impact Resistant

IK10-certified housing designed to protect the camera from destructive behavior

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 (1-way audio)
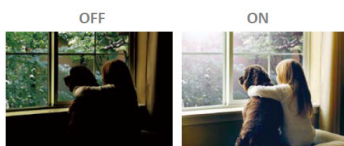
Day and Night Operations via Removal of the IR-cut filter

SR6422EX3 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

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

High Dynamic Range

An High Dynamic Range (HDR) image is made by taking 3 frames of the same scene and each at different shutter speeds to display details of both the darkest and brightest areas. HDR can extend image visibility under high contrast lighting scenes and improve image quality

Tripwire Detection

Tripwire Detection can be used where physical security is impractical or even impossible; i.e. railway tracks. An alarm can be enabled in either directions across the tripwire. Line Crossing that an object crossing a line drawn anywhere in the scene can be detected, and also Zone Intrusion that any arbitrary shape zone can be set to monitor intrusion

Object Counting

Object Counting is able to accurately to input images containing similar objects. Intelligent Object Counting technology includes
People Counting feature – people enter or exit an area over time can be counted, as well as Vehicle Counting feature – to detect and track vehicle in real-time

Alarm Detection

Alarm Detection is designed to provide the electronic detection of intruders

Audio Detection

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

Motion Detection

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

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Video Performance

Model	SR6422EX3
Min. Illumination	Color : 0.06 Lux at F1.4 ; B/W : 0.02 Lux at F1.4 ; 0 Lux with IR LED ON

Power and Environment

Starting Temperature	-10°C – +50°C (14°F – 122°F)
Operating Temperature	-40°C – +50°C (-40°F – 122°F)
Storage Temperature	-25°C – +60°C (-13°F – 140°F)
Humidity	0% – 90% RH
Power Supply	DC12V ±10% / PoE (IEEE 802.3af compliant)
Power Consumption	DC12V, 9W / PoE, 10.5W

Lens / Night vision (infrared LED)

Focal Length	2.8 – 12 mm
Iris	F1.4(W) - F2.8(T), DC IRIS
Angle of View	91.2° (W) – 25.5° (T) (H) 46.4° (W) – 20.2° (T) (V) 99.0° (W) – 40.8° (T) (D)
Peak Wavelength	850nm
Beam Spread	30°, 60°
Radiant Distance	30M

Sensor

Pick Up Element	1/2.86" MOS image sensor
Effective Pixels	1944 (H) × 1213 (V) = 2,358,072 (pixels)

Certifications

CE	Yes, EMI CLASS A
FCC	Yes, EMI CLASS A
IP Rating	IP67
Vandal Resistant Rating	IK10

PC Requirements

CPU	Intel® Core™ i5 or higher grade
OS	Windows 7 or above
RAM	8GB or above, Dedicated Graphics Card
Web browser	Microsoft® Internet Explorer® 9 or above

Mechanical

Dimension	Ø120 × 106 mm
Weight	700g approx.

Input / Output

Audio Input / Output	Mono, 1.98 Vp-p , 2.2KΩ , Terminal block
Live Video Output	CVBS 1.0Vp-p, 75 ohm, connector
Audio	**Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required**
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 main and high profile, Motion JPEG
Video Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast 4 configurable streams in H.264 and Motion JPEG, configurable frame rate, bandwidth Codec and GOP
Number of streams	4
Video Bitrate	128Kbps – 12Mbps; Frame rate and bit rate controllable on-the-fly; VBR / CBR / GOP supported; Fixed bitrate

Network Security

Encryption	Base64 HTTP encryption, HTTPS encryption
Authentication	Digest HTTP authentication, RTSP authentication
Address Filter	IP address filter, MAC address filter
Access	Multiple user access levels with password protection
Users	10 simultaneous users
Multi IP address	Yes

Video Resolutions (H x V)

Resolution	2MP(1920 × 1080), 1.3MP(1280 × 960), 1MP(1280 × 720), D1(720 × 480, 720 × 576), VGA(640 × 480), CIF(352 × 240)
Maximum Frame Rate	Multi-stream mode, H.264 : up to 60 fps @ 1920 × 1080, MJPEG : up to 30 fps @ 720 × 480; HDR mode, H.264 : up to 30 fps @ 1920 × 1080 , MJPEG : up to 30 fps @ 720 × 480

Video Functions

Scanning System	Progresssive Scan
Infrared Cut Filter	Auto / Day (Color) / Night (Mono) / Schedule
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Custom
Back Light Compensation	On / Off
Electrical Shutter	1/30(1/25)s – 1/30000s
Sense Up	Off / 1 Frame / 2 Frames
Sense Up+	Yes
Auto Gain Control	60 dB Variable Gain
S/N Ratio	More than 50dB (AGC off)
3D Noise Reduction	Off / 1 – 32 Selectable
2D WDR	Off / Auto / x2 / x3 / x4 (by normal mode)
High Dynamic Range	Up to 120dB (by HDR mode, 2 shutter line interleave)
Privacy Masking	Off / On (4 zones)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Defog
Smart IR	Off / On

Integration

Mobile Application	Integrated to LILIN mobile app (LILIN Viewer) iPhone, iPad, Android support
Video Management	ONVIF Profile S, LILIN Navigator Enterprise 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 update via HTTP and IP Scan; Firmware available at web site
IVS Advanced 2.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting
IVS Advanced 2.1 (Optional)	Unattended Object Detection, Missing Object Detection, Crowd Detection, Loitering Detection, Face Detection
Event Triggers	Motion / Tamper / Audio / Alarm / Network lost detection
Event actions	FTP / SMTP / HTTP post / SD card / SAMBA / SMTP Trap / Alarm Output
Languages	English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese

Network

Ethernet	10/100/1000 Mbps Base-T (Tx), RJ-45
ePTZ & Digital Zoom	Yes, ROI (Region of Interest)
OSD	Text overlay for date, time and camera name
CPU, Memory	Embedded SoC, 1.2GHz Dual ARM Cortex-A9 & 600MHz ARM11, 1GB DDR3, 256MB flash memory
OS	Embedded Linux 3.8.0
Network Protocols	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, MQTT, QoS, SNMP, SNMP Trap, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, Bonjour, SIP
Max number of online users	10 user accounts available
Video Display	LILIN Universal ActiveX & HTML5