



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



Features

- Full HD 2 megapixel CMOS image sensor
- 1080P True H.264 AVC High Profile video compression
- H.264 and Motion JPEG multi-profile video streaming
- Smart H.264 supported
- 3D noise reduction (MCTF)
- 2D WDR function
- High efficiency IR LED, radiant distance up to 30m
- Day & Night (IR cut removable)
- ONVIF Profile S supported
- IP67 rain and dust resistant
- Vandal resistant approve

Description

The MR8422X Outdoor HD 30M-Range IR Varifocal IP Camera in the M series features 1080p at 30 frames per second, built-in Sense up+ technology to deliver stunning video in low-light conditions. Utilizing intelligent image signal processing, 2D WDR function, AGC control, and 3D Noise Reduction, the

combination successfully delivers ultimate low-light images without motion blur. The IP67-rated housing is designed to prevent the camera from being damaged by rain and dust and ensures operation under various demanding weather conditions. The support of PoE, privacy mask, and white balance, as well as the minimum illumination of 0.117 Lux at F1.4 can certainly satisfy multiple applications.

Specifications

Model	MR8422X
Min. illumination/Low Light Mode (Colour)	Color : 0.1 Lux at F1.4 ; B/W : 0.02 Lux at F1.4 ; 0 Lux with IR LED ON
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)
Operating humidity	0% – 90% RH
Power Supply	DC12V ±10% / PoE (IEEE 802.3af compliant)
Power Consumption	DC12V, 8.4W / PoE, 10W
Lens	2.8 – 12mm
Iris	F1.4
Iris Control	DC-IRIS
Angle of View	102° (W) – 34° (T) (H) 54° (W) – 20° (T) (V) 122° (W) – 39° (T) (D)
Peak wavelength	850nm
Beam Spread	60°
Max IR distance	30M
Pick Up Element	1/2.7" CMOS image sensor
Effective pixels	1920 (H) × 1080 (V) = 2,073,600 (Pixels)
CE	Yes, EMI CLASS B
FCC	Yes, EMI CLASS B
IP Rating	IP67
Vandal Resistant Rating / IK Rating	IK10

CPU	Intel® Core™ i3 or higher grade
OS	Windows 7 or above
RAM	4GB or above, Dedicated Graphics Card
Web browser	Microsoft® Internet Explorer® 9 or above
Dimensions	68(W) × 69(H) × 214(D) mm approx
Weight	490g approx
Window / Glass Thickness	Ø58 Heat Resistant Glass
Video Compression	H.264 main and high profile, Motion JPEG
Video streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast; 3 configurable streams in H.264 and Motion JPEG, configurable frame rate, bandwidth Codec and GOP
Number of streams	3
Video bitrate	128Kbps – 12Mbps; Frame rate and bit rate controllable on-the-fly; VBR / CBR / GOP supported; Fixed bitrate; Smart H.264
Encryption	Base64 HTTP encryption
Authentication	Digest HTTP authentication, RTSP authentication, DDNS via HTTPS
Address Filter	IP address filter
Access	Multiple user access levels with password protection
User accounts	10 simultaneous users
Multi IP address	Yes
Resolution	2MP(1920 × 1080), 1.3MP(1280 × 960), 1MP(1280 × 720), D1(720 × 480, 720 × 576), VGA(640 × 480), CIF(352 × 240)
Frame Rates	H.264 / MJPEG : up to 30 fps @ 1920 × 1080
Scanning System	Progressive Scan
Infrared Cut Filter	Auto / Day (Color) / Night (Mono) / Schedule
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2
Electrical Shutter	1/30(1/25)s – 1/30000s

Sense Up	Off / 1 Frame / 2 Frames
Sense Up+	Yes
Auto Gain Control	42 dB Variable Gain
3D Noise Reduction	Off / 1 – 32 Selectable
2D WDR	Off / Auto / x2 / x3 / x4 (by normal mode)
High Dynamic Range(HDR)	Up to 100dB (in HDR mode, 2 shutter line interleave)
Privacy Masking	Off / On (4 zones)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip
Mobile phone	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 (up to128GB) card for circular recording (card is not included)
Firmware	Firmware update via HTTP and IP Scan; Firmware available at website
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting
Alarm event triggers	Motion / Tamper / Network lost detection
Alarm event actions	FTP / SMTP / HTTP post / SD card / SAMBA / SNMP Trap / Push Service notification
Alarm weighted mode	Yes
Languages	English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese
Ethernet	10/100 Mbps Base-T, RJ-45
OSD	Text overlay for date, time, and camera name
CPU.Memory	Embedded SoC ARM Cortex-A9, 600MHz, 256MB DDR3, 32MB flash memory

Network OS	Embedded Linux 3.10
Protocols	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, MQTT, QoS, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SDDP, Bonjour, SSL/TLS
Max number of online users	10 simultaneous users
Video Display	LILIN Universal ActiveX, LILIN Java Applet & HTML5
