MR6822E2 1080P Day & Night Fixed IR Mini Dome IP Camera

1080P HD

Day&Night

IP67 Weather Proof

WDR

CE Certified

FCC Certified

- ► 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
- ► HDR function up to 100dB
- ► Digital PTZ supported
- ► IVS supported
- ► Tampering / Motion detection alarm function
- ► High efficiency IR LED, radiant distance up to 30m
- ► Day & Night (IR cut removable)
- ► Built-in highly sensitive microphone
- ► ONVIF Profile S supported
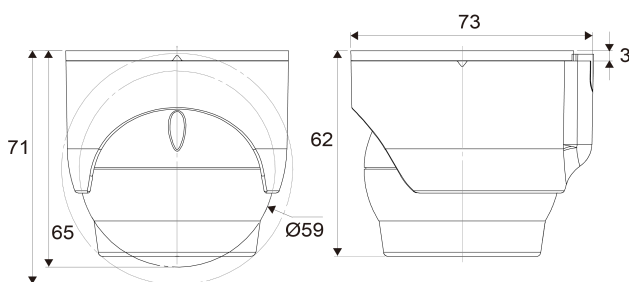- ► IP67 rain and dust resistant
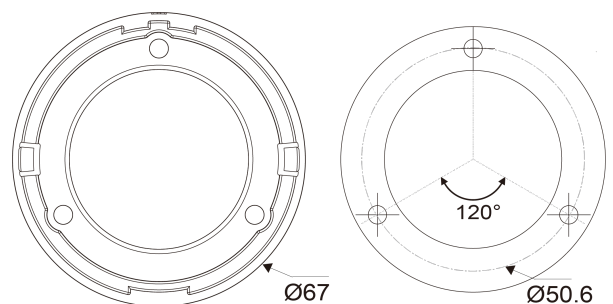
Dimensions
Ø 73 × 62 (H) mm

Diagram of mounting holes:(unit in mm)

71
65
Ø59
73
3
62

120°
Ø67
Ø50.6

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

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

MR6822E2 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

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
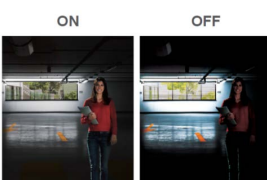
3D Noise Reduction

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

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

Video Security App

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

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	MR6822E2
Min. Illumination	Color : 0.01 Lux at F1.8 ; B/W : 0.003 Lux at F1.8 ; 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, 4.5W / PoE, 5.5W

Lens / Night vision (infrared LED)

Focal Length	2.8mm
Iris	F1.8
Iris Control	Fixed IRIS
Angle of View	109.0° (H) 60.2° (V) 126.0° (D)
Peak Wavelength	850nm
Beam Spread	60° , 90°
Radiant Distance	30M

Sensor

Pick Up Element	1/2.8" CMOS image sensor
Effective Pixels	1945 (H) × 1097 (V) = 2,133,665 (Pixels)

Certifications

CE	Yes, EMI CLASS A
FCC	Yes, EMI CLASS A
IP Rating	IP67

PC Requirements

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

Mechanical

Dimension	Ø 73 × 62 (H) mm
Weight	230g
Casing Material	Aluminum alloy

Input / Output

Audio	One-way Audio, G.711 u-law / PCM / AAC, Built-in Microphone

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 and bandwidth
Number of streams	4
Video Bitrate	128Kbps – 12Mbps; Frame rate and bit rate controllable on-the-fly; VBR / CBR / GOP supported; Fixed bitrate; Smart H.264

Network Security

Encryption	Base64 HTTP encryption, HTTPS encryption
Authentication	Digest HTTP authentication, RTSP authentication, 802.1x, DDNS via HTTPS
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	H.264 / MJPEG : up to 30 fps @ 1920 × 1080

Video Functions

Scanning System	Progressive Scan
Infrared Cut Filter	Auto / Day (Color) / Night (Mono) / Schedule
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Custom
Electrical Shutter	1/30(1/25)s – 1/30000s
Sense Up	Off / 1 Frame / 2 Frames
Sense Up+	Yes
Auto Gain Control	66 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 100dB (by HDR mode, 2 shutter line interleave)
Privacy Masking	Off / On (4 zones)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Lens Distortion Correction

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
Maintenance	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
Event Triggers	Motion / Tamper / Audio detection
Event actions	FTP / SMTP / HTTP post / SAMBA / SNMP Trap / Push Service notification
Languages	English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese

Network

Ethernet	10/100 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 ARM Cortex-A9, 600MHz, 256MB DDR3, 256MB flash memory
OS	Embedded Linux 3.10
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, SDDP, Bonjour, 802.1x, SSL/TLS
User accounts	10 simultaneous users
Video Display	LILIN Universal ActiveX & HTML5