

P2R6852E4 5MP Day & Night Fixed IR Mini Dome IP Camera

www.meritlilin.com



- ▶ 5 megapixel CMOS image sensor
- ▶ 5MP H.265/HEVC and H.264/AVC high-performance video compression
- ▶ Simultaneous streaming of H.265 and H.264 encoded streams
- ▶ Smart H.264/H.265 supported
- ▶ 3D noise reduction (MCTF)
- ▶ 2D WDR function
- ▶ HDR function up to 100dB
- ▶ Digital PTZ supported
- ▶ IVS supported
- ▶ Tampering / Audio / Motion / Network lost detection event function
- ▶ SMART event
- ▶ High efficiency IR LED, radiant distance up to 30m
- ▶ Day & Night (IR cut removable)
- ▶ Built-in highly sensitive microphone
- ▶ 1-way audio supported
- ▶ ONVIF Profile S and Profile T supported
- ▶ IP67 rain and dust resistant

Dimensions

67(W) × 71(H) × 73(D) mm

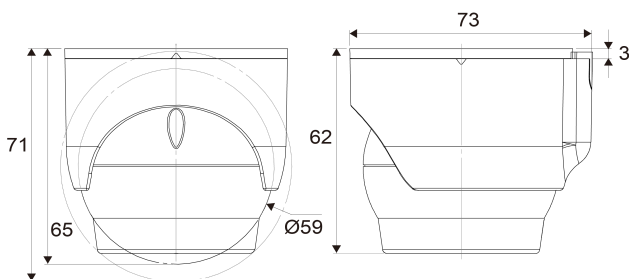
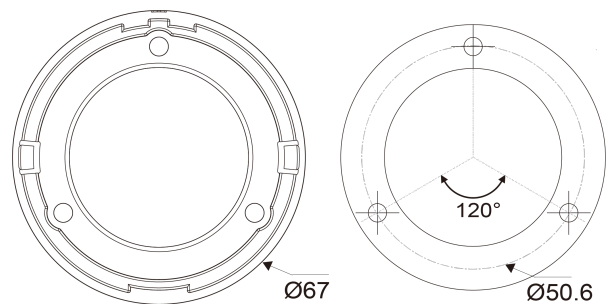


Diagram of mounting holes:(unit in mm)



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

P2R6852E4 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



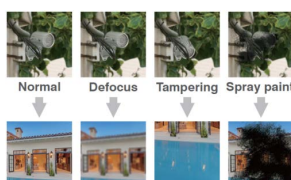
Motion Detection

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



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



Region of Interest (ROI)

A Region of Interest (ROI) is a specified part of an image that is highlighted from a camera. This feature is great for highlighting areas such as doors or areas of access where an overall scene is still required



| 5MP Day & Night Fixed IR Mini Dome IP Camera | |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Performance | |
| Model | P2R6852E4 |
| Min. Illumination | Color : 0.01 Lux at F1.6 ; B/W : 0.004 Lux at F1.6 ; 0 Lux with IR LED ON |
| Lens / Night Vision (Infrared LED) | |
| Focal Length | 4mm |
| Iris | F1.6 |
| Iris Control | Fixed IRIS |
| Angle of View | 76.6° (H) 55.8° (V) 98.6° (D) |
| Peak Wavelength | 850nm |
| Beam Spread | 60° |
| Radiant Distance | 30M |
| Sensor | |
| Pick Up Element | 1/2.8" CMOS image sensor |
| Effective Pixels | 2616 (H) × 1964 (V) = 5,137,824 (Pixels) |
| Certifications | |
| CE | Yes, EMI CLASS A |
| FCC | Yes, EMI CLASS A |
| IP Rating | IP67 |
| PC Requirements | |
| CPU | Intel® Core™ i7 or higher grade |
| OS | Windows 7 or above |
| RAM | 8GB or above, Dedicated Graphics Card |
| Web Browser | Microsoft® Internet Explorer® 9 or above |
| Input / Output | |
| Audio | One-way Audio, G.711 u-law / PCM / AAC, Built-in Microphone |
| Video Streaming | |
| Video Compression | H.265/HEVC main profile, H.264 main and high profile, Motion JPEG |
| Video Streaming | RTP/HTTP, RTP/TCP, RTP/UDP, Multicast 4 configurable streams in H.265 and 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/H.265 |
| Network Security | |
| Encryption | Base64 HTTP encryption, HTTPS encryption |
| Authentication | Digest HTTP authentication, RTSP authentication, TLS, 802.1x, DDNS via HTTPS |
| Address Filter | IP address filter, MAC address filter |
| Access | Multiple user access levels with password protection |
| User accounts | 10 user accounts available |
| Multi IP Address | Yes |
| Video Resolutions (H x V) | |
| Resolution | 5MP(2592 × 1944), 4MP(2304 × 1728), 3.1MP(2048 × 1536), 3MP(2304 × 1296), 2MP(1920 × 1080), 1.3MP(1280 × 960), 1MP(1280 × 720), D1(720 × 480, 720 × 576), VGA(640 × 480), CIF(352 × 240) |
| Maximum Frame Rate | Normal mode: up to 25 fps @ 2592 × 1944 HDR mode: up to 25 fps @ 2592 × 1944 |
| Mechanical | |
| Dimension | 67(W) × 71(H) × 73(D) mm |
| Weight | 230g |
| Casing Material | Aluminum alloy |
| Window | Ø42.5 Heat Resistant Glass |

| Video Functions | |
|----------------------------------|--------------------------------------------------------------------------------------------------|
| Scanning System | Progressive Scan |
| Infrared Cut Filter | Auto / Day (Color) / Night (Mono) / Schedule |
| White Balance | ATW-NARROW / ATW-WIDE / AWC(MANUAL) |
| Back Light Compensation | Yes |
| Electrical Shutter | 1/30(1/25)s – 1/30000s |
| Sense Up | Off / x2 / x4 / x8 / x16 |
| 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) Support Onvif |
| 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, Rotation, Overexposure Reduction |
| EV (Exposure Value) | Adjustable |
| Lens distortion correction (LDC) | Yes |

| Integration | |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Mobile Application | Integrated to LILIN mobile app (LILIN Viewer), iPhone, iPad, Android support |
| Video Management | ONVIF Profile S / ONVIF Profile T / IVS events, LILIN Navigator Enterprise 2.0 support, 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 |
| IVS Advanced 2.1 (Optional) | Unattended Object Detection, Missing Object Detection, Crowd Detection, Loitering Detection, Face Detection |
| IVS Advanced 2.2 (Optional) | Detection Zone for Car and Human |
| Event Triggers | Motion / Tamper / Audio / Network lost detection / SmartEvent |
| Event actions | FTP / SMTP / HTTP post / SAMBA / SMTP Trap |
| Languages | English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese |

| Network | |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet | 10/100 Mbps Base-T, RJ-45 |
| ePTZ & Digital Zoom | Yes, ROI (Region of Interest) |
| OSD | Position configurable text overlay for date, time, camera ID, event status and watermark with customizable user demand data |
| CPU, Memory | Embedded SoC ARM Cortex-A9, 816MHz, 512MB DDR3L, 256MB flash memory |
| OS | Embedded Linux 3.10 |
| Network Protocols | IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, MQTT, QoS, SNMP V1/V2/V3, SNMP Trap and heart beat, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, ONVIF Profile T, SDDP, Bonjour, 802.1x, SSL/TLS |
| Max number of online users | 10 simultaneous users |
| Video Display | LILIN Universal ActiveX, LILIN Java Applet |
| Watermark | BMP logo |
| Log | Event & operation log & IVS event log |
| Schedule | Support holiday list |
| Network Storage | NAS (Support SAMBA/CIFS) |

| 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, 5.6W / PoE, 6.7W |