

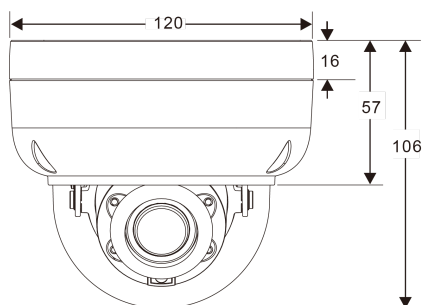
Z3R6422X3 1080P Day & Night Auto Focus IR Vandal Resistant Dome IP Camera

www.meritlilin.com



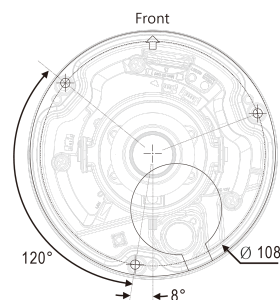
Dimensions

Ø120 × 106 mm



- ▶ Full HD 2 megapixel CMOS image sensor
- ▶ 2MP H.265/HEVC and H.264/AVC high-performance video compression
- ▶ Simultaneous streaming of H.265 and H.264 encoded streams
- ▶ Auto focus with zoom / focus motorized lens
- ▶ Smart H.264/H.265 supported
- ▶ 3D noise reduction (MCTF)
- ▶ 2D WDR function
- ▶ HDR function up to 100dB
- ▶ Digital PTZ supported
- ▶ IVS supported
- ▶ Tampering / Alarm / Motion / Network lost detection event function
- ▶ SMART event
- ▶ High efficiency IR LED, radiant distance up to 30m
- ▶ Day & Night (IR cut removable)
- ▶ Digital I/O : 1 in, 1 out
- ▶ Impact Resistant Polycarbonate Dome Cover
- ▶ 3-Axis construction
- ▶ ONVIF Profile S and Profile T supported
- ▶ IP67 rain and dust resistant
- ▶ Vandal resistant approve

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



Impact Resistant

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



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

Z3R6422X3 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



Auto Focus feature

Use the camera software to trigger the auto focus function at any time during installation or after. Auto Focus feature to automatically focus the camera from a distant location, which eases the process on installation and helps you effectively position the camera at the right focus angle in a matter of seconds



Video Security App

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



SD Cards in Sync with NAV Software

Z3R6422X3 camera with built-in Micro SD/SDHC/SDXC card slots can provide redundant video viewing and recording. You can synchronize an SD card with LILIN VMS (Video Management Software) – Navigator (NAV)



Alarm Detection

Alarm Detection is designed to provide the electronic detection of intruders



| 1080P Day & Night Auto Focus IR Vandal Resistant Dome IP Camera | |
|---|--|
| Video Performance | |
| Model | Z3R6422X3 |
| Min. Illumination | Color : 0.01 Lux at F1.8 ; B/W : 0.002 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, 6.6W / PoE, 7.7W |
| Lens / Night Vision (Infrared LED) | |
| Focal Length | 2.8 – 12 mm (zoom / focus motorized) |
| Iris | F 1.8(W) - F 3.3(T) |
| Iris Control | Fixed IRIS |
| Angle of View | 101.5° (W) – 39.0° (T) (H) 55.6° (W) – 21.8° (T) (V) 121.5° (W) – 44.6° (T) (D) T |
| 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) |
| Light Sensor | Yes |
| Certifications | |
| CE | Yes, EMI CLASS A |
| FCC | Yes, EMI CLASS A |
| IP Rating | IP67 |
| Vandal Resistant Rating | IK10 |
| UL | One Push |
| Regulatory Approvals | Yes |
| 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 |
| Mechanical | |
| Dimension | Ø120 × 106 mm |
| Weight | 760g |
| Casing Material | Aluminum alloy |
| Input / Output | |
| Alarm Input / Output | Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load.max. 40VDC,450mW/300mA,450mW), Terminal block |
| 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, DDNS via HTTPS |
| Authentication | Digest HTTP authentication, RTSP authentication, 802.1x |
| 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 | 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 60Hz: 30 fps @ 1920 × 1080 50Hz: 25 fps @ 1920 × 1080 HDR mode 60Hz: 30 fps @ 1920 × 1080 50Hz: 25 fps @ 1920 × 1080 |
| 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 / x32 |
| 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 |
| Auto Focus | One Push |
| EV (Exposure Value) | Adjustable |
| Lens distorsion 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 |
| SD Card Recording | Support (128GB) Micro SD/SDHC/SDXC card for circular recording (card is not included) |
| 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 2.0 (Optional) | 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 Detecti |
| IVS Advanced 2.2 (Optional) | Detection Zone for Car and Human |
| Event Triggers | Motion / Tamper / Alarm / Network lost detection / SmartEvent |
| Event actions | FTP / SMTP / HTTP post / SD card / SAMBA / Alarm / 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 | 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 |