

P3R6522E2

1080P Day & Night Fixed IR Vandal Resistant Dome IP Camera



The LILIN P3 series cameras are equipped with a high-performance CMOS sensor, delivering excellent image clarity suitable for various surveillance needs. Advanced 3D digital noise reduction (MCTF) and 2D WDR technology ensure detailed and clear images under different lighting conditions. With high-efficiency infrared LEDs, the P3 series provides effective illumination in low-light environments and supports day and night functionality to adapt to changing lighting conditions.

The P3 series features digital PTZ (Pan, Tilt, Zoom) and ROI (Region of Interest) capabilities, offering flexible surveillance options. It supports intelligent video surveillance (IVS) features such as tamper detection, motion detection, and network disconnection detection, with customizable smart events to meet diverse application scenarios. Compatible with ONVIF Profile S, T, and G standards, and designed with waterproof and vandal-resistant construction, the P3 series is a highly efficient and reliable surveillance solution.

1080P



- 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
- Smart H.264/H.265 supported
- 3D noise reduction (MCTF)
- 2D WDR function
- HDR function up to 120dB
- Digital PTZ supported
- IVS supported
- Tampering / Motion / Network lost detection event function
- SMART event
- High efficiency IR LED, radiant distance up to 30m
- Day & Night (IR cut removable)
- ONVIF Profile S and Profile T supported
- IP67 rain and dust resistant
- Vandal resistant approve



| Video Performance | |
|------------------------------------|---|
| Min. Illumination | Color : 0.01 Lux at F2.0 ; B/W : 0.002 Lux at F2.0 ; 0 Lux with IR LED ON |
| Lens / Night Vision (Infrared LED) | |
| Focal Length | 2.8mm |
| Iris | F2.0 |
| Iris Control | Fixed IRIS |
| Angle of View | 103.1° (H) , 55.8° (V) , 121.4° (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) |
| Light Sensor | Yes |
| Certifications | |
| CE / FCC | Yes, EMI Class A |
| IP Rating | IP67 |
| Vandal Resistant Rating | IK10 (Casing) |
| 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 Microsoft® Edge (IE mode) |
| 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, 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 | 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 120dB (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 Pro), iPhone, iPad, Android support |
| Video Management | ONVIF Profile S / ONVIF Profile T / ONVIF Profile G / IVS events, LILIN Navigator Enterprise 5.0 support, Third party VMS through LILIN HTTP API |
| Maintenance | Firmware update via HTTP and IP Scan; F irmware 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 / Network lost detection / SmartEvent |
| 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 | 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, 6.2W / PoE, 7.6W |
| Mechanical | |
| Dimension | Ø115 × 91 mm |
| Weight | 420g |
| Casing Material | Aluminum alloy |
| Warranty | |
| Warranty | 3 Year(s) |

Bracket



BCR03W
Wall-mount

Bracket



BCR04W
Wall-mount

Bracket



BCR06W
Wall-mount

Bracket



BTD04W
Wall-mount

Bracket



BTR07W
Wall-mount