



1080P Fixed Covert IP Camera



Features

- 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
- Motion
- SMART event
- Day & Night
- 2-way audio supported
- Digital I/O : 2 in, 1 out
- ONVIF Profile S, Profile T and Profile G supported
- RS-485 supported

Specifications

Model	P3C0122P3
Min. illumination/Low Light Mode (Colour)	Color : 0.1 Lux at F2.8 ; B/W : 0.02 Lux at F2.8
Focal Length	3.7mm
Iris	F2.8
Iris Control	Fixed IRIS
Angle of View	88.5° (H) 45.8° (V) 106.4° (D)
Pick Up Element	1/2.9" CMOS image sensor
Effective pixels	1920 (H) × 1080 (V) = 2,073,600 (Pixels)
CE	Yes, EMI CLASS A
FCC	Yes, EMI CLASS A
CPU	Intel® Core™ i7 or higher grade
OS requirement	Windows 7 or above
RAM	8GB or above, Dedicated Graphics Card
Web browser	Microsoft® Internet Explorer® 9 or above
Audio Input / Output	Mono, 1.4 Vp-p, 50 KΩ, 3.5mm phone jack
Audio	Two-way Audio, G.711 u-law / PCM, External Microphone Required
Alarm Input / output	Digital 2 input (TTL, +3 – 5VDC) / 1 Output (Relay dry contact N.O. / N.C., Load max. 24VDC/1A)
Live Video Output	CVBS 1.0Vp-p, 75 ohm, RCA connector
Video Compression	H.265/HEVC profile, H.264 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
Encryption	Base64 HTTP encryption, HTTPS encryption(must)

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
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
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 / x4 (by normal mode)
High Dynamic Range(HDR)	Up to 120dB (by HDR mode, 2 shutter line interleave)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip
EV (Exposure Value)	Adjustable
Lens distorsion correction (LDC)	supports
Mobile Application	Integrated to LILIN mobile app (LILIN Viewer), iPhone, iPad, Android support

Video Management	ONVIF Profile S / ONVIF Profile T / ONVIF Profile G / IVS events, LILIN Navigator Enterprise 2.0 support, Third party VMS through LILIN HTTP API
SD Card (recording)	Support Micro SD/SDHC 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 2.1 (Optional)	Unattended Object Detection, Missing Object Detection, Crowd Detection, Loitering Detection, Face Detection
IVS Advanced 2.2 (Optional)	Detection Zone for Car and Human
Alarm event triggers	Motion / Tamper / Alarm / Network lost detection / SmartEvent
Alarm event actions	FTP / SMTP / HTTP post / SD card / SAMBA / Alarm / SNMP Trap / Push service notification
Control interface	RS-485 , Half-Duplex , support MLP2 , Pelco D/P protocols
Languages	English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese
Network Interface/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 3.14

Protocols	IPv4, IPv6, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SNMP, SIP, Bonjour
Max number of online users	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, ONV10 simultaneous users
Video Display	LILIN Universal ActiveX
Privacy Masking	Off / on (4 zones)
Watermark	BMP logo
Log	Event & operation log & IVS event log
Schedule	Support holiday list
Starting Temperature	0°C – +50°C (32°F – 122°F)
Operating temperature	-25°C – +50°C (-13°F – 122°F)
Storage temperature	-25°C – +50°C (-13°F – 122°F)
Operating humidity	0% – 90% RH
Power Supply	DC12V ±10% / PoE (IEEE 802.3af compliant)
Power Consumption	DC12V, 5W / PoE, 6W
Dimensions	Main module : 130(W) × 35(H) × 93(D) mm , Image sensor module : Ø25 × 32mm
Weight	Main module : 210g , Image sensor module : 188g