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## 1080P Day & Night Vari-Focal IP Box Camera



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### 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
- 3D noise reduction (MCTF)
- 2D WDR function
- HDR function up to 100dB
- Digital PTZ supported
- IVS supported
- Tampering / Audio / Alarm / Motion / Network lost detection event function
- Day & Night (IR cut removable)
- Built-in highly sensitive microphone
- 2-way audio supported
- Digital I/O : 1 in, 1 out
- ONVIF Profile S supported

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### Specifications

| Model                                     | P2G1022  |
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| Min. illumination/Low Light Mode (Colour) | Color : 0.03 Lux at F1.4 ; B/W : 0.002 Lux at F1.4   |
| Starting Temperature                      | 0°C – +50°C (32°F – 122°F)   |
| Operating temperature                     | -20°C – +50°C (-4°F – 122°F)   |
| Storage temperature                       | -25°C – +60°C (-13°F – 140°F)  |
| Operating humidity                        | 0% – 90% RH  |
| Power Supply                              | DC12V ±10% / PoE (IEEE 802.3af compliant)  |
| Power Consumption                         | DC12V, 5W / PoE, 6W  |
| Pick Up Element                           | 1/2.8" CMOS image sensor   |
| Effective pixels                          | 1945 (H) × 1097 (V) = 2,133,665 (pixels)   |
| CE  | Yes, EMI CLASS B   |
| FCC                                       | Yes, EMI CLASS B   |
| 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   |
| Dimensions                                | 70(W) × 50(H) × 110(D) mm  |
| Weight                                    | 380g   |
| Casing Material                           | Aluminum alloy   |
| Audio Input / Output                      | Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load.max.<br>40VDC,450mW/300mA,450mW), Terminal block |
| Live Video Output                         | CVBS 1.0Vp-p, 75 ohm, RCA jack   |
| Audio                                     | Two-way Audio, G.711 u-law / PCM / AAC, SIP, Built-in Microphone   |
| Alarm Input / output                      | Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load.max.<br>40VDC,450mW/300mA,450mW), Terminal block |
| Video Compression                         | H.265/HEVC main profile, H.264 main and high profile<br>, Motion JPEG  |

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|-------------------------|--|
| 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   |
| 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 simultaneous users  |
| 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)                         |
| Frame Rates             | Normal mode 60Hz: 60 fps @ 1920 × 1080 50Hz: 50 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)  |
| Electrical Shutter      | 1/30(1/25)s – 1/30000s   |
| Sense Up+               | Off / 1 Frame / 2 Frames   |
| 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) Support Onvif   |
| High Dynamic Range(HDR) | Up to 100dB (by HDR mode, 2 shutter line interleave)   |

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|--------------------------------------|---|
| Privacy Masking                      | Off / On (4 zones)  |
| Image Effects                        | Brightness, Contrast, Hue, Saturation, Sharpness,<br>Mirror, Flip, Rotation   |
| Mobile phone                         | Integrated to LILIN mobile app (LILIN Viewer), iPhone,<br>iPad, Android support   |
| Video Management                     | ONVIF Profile S / IVS events, LILIN Navigator<br>Enterprise 2.0 support, Third party VMS through LILIN<br>HTTP API                      |
| SD Card (recording)                  | Support (128GB) Micro SD/SDHC/SDXC card for<br>circular recording (card is not included)  |
| Maintenance                          | Firmware update via HTTP and IP Scan; Firmware<br>available at web site   |
| IVS (Intelligent Video Surveillance) | Motion Detection, Tampering Detection, Advanced<br>Motion Detection, Tripwire, Traffic Light Detection,<br>Object Counting              |
| Alarm event triggers                 | FTP / SMTP / HTTP post / SD card / SAMBA / SMTP<br>Trap   |
| Alarm event actions                  | Motion / Tamper / Network lost detection /<br>SmartEvent  |
| Languages                            | English, Traditional Chinese, Simplified Chinese,<br>Spanish, Italian, Turkish, Russian, Korean, French,<br>Arabic, Hungarian, Japanese |
| Network Interface/Ethernet           | 10/100 Mbps Base-T, RJ-45   |
| ePTZ & Digital Zoom                  | Yes, ROI (Region of Interest)   |
| CPU.Memory                           | Embedded SoC ARM Cortex-A9, 816MHz, 512MB<br>DDR3L, 256MB flash memory  |
| OSD                                  | Position configurable text overlay for date, time,<br>camera ID, event status and watermark with<br>customizable user demand data       |
| Network OS                           | Windows 7 or above  |

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| Protocols                  | IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, SIP, 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 , SDDP, Bonjour , 802.1x |
| Max number of online users | 10 user accounts available  |
| Video Display              | LILIN Universal ActiveX , LILIN Java Applet   |

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