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## HD 30M- IR Vari-focal Dome IP Camera



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### Features

- IR cut filter for day/night operations
- 30-meter infrared night vision
- 1080p resolution @ 30 FPS
- High Dynamic Range

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### Description

As with all M series cameras, the MR2922X HD 30M-Range IR Varifocal Dome IP Camera features 1080p at 30 frames per second, built-in Sense up+ technology to deliver stunning video in low-light conditions, and intelligent video surveillance (IVS) functions. Utilizing intelligent image signal processing, HDR, AGC control, and 3D Noise Reduction, the combination successfully delivers the ultimate low-light image without motion blur. The support of PoE, privacy mask, and white balance, as well as the minimum illumination of 0.117 Lux at F1.4 can certainly satisfy multiple applications.

## Specifications

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|---|---|
| Model                                     | MR2922X   |
| Image Sensor/Sensor type                  | 1/2.7" CMOS image sensor  |
| Effective pixels                          | 1920 (H) x 1080 (V) = 2,073,600 pixels  |
| Video Compression                         | Smart H.264/ H.264 High/Main Profile, Motion JPEG   |
| Resolution                                | 1080P (1920 x 1080) , 1280x960 (1280 x 960) , 720P (1280 x 720) , D1 (720 x 480, 720 x 576) , VGA (640 x 480) , CIF (352 X 240) |
| Frame Rates                               | H.264: up to 30 FPS @ 1920 x 1080, MJPEG: up to 30 FPS @ 1920 x 1080  |
| Lens                                      | 2.8 – 12mm  |
| Iris                                      | F1.4  |
| Angle of View                             | (H) 102°– 34° (V) 54°– 20° (D) 122°– 39°  |
| Max IR distance                           | 30m   |
| Infrared LED Angle                        | 60°, 90°  |
| Video streaming                           | RTP/HTTP, RTP/TCP, RTP/UDP, Multicast 4 configurable streams in H.264 and Motion JPEG, configurable frame rate and bandwidth    |
| Video bitrate                             | 128Kbps – 12Mbps ; Frame rate and bit rate controllable on-the-fly ; VBR / CBR / GOP supported ; Fixed bitrate                  |
| Peak wavelength                           | 850nm   |
| Scanning System                           | Progressive scan  |
| IR cut filter                             | Color (Day), Monochrome (Night), Auto, Schedule   |
| Min. illumination/Low Light Mode (Colour) | 0.117 Lux at F1.4 (Color) , 0.023 Lux at F1.4 (B/W) ; With Infrared LED 0.0 lux   |
| White Balance                             | Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2  |
| Back Light Compensation (BLC)             | On / Off  |

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|--------------------------------------|--|
| Shutter Time                         | 1/30(1/25)s to 1/30000s  |
| Sense Up                             | Off / 1 frame / 2 frames   |
| Sense Up+                            | Yes  |
| Auto Gain Control                    | 42 dB variable gain  |
| 3D Noise Reduction                   | Off / 1 to 32 selectable   |
| 2D WDR                               | Off / Auto / x2 / x3 / x4 (by normal mode)   |
| High Dynamic Range(HDR)              | Up to 100dB (by HDR mode, 2 shutter line interleave)   |
| Privacy Masking                      | Off / On (4 independent areas)   |
| Other functions                      | Sharpness, Hue, Image flip, Image mirror   |
| Lens distortion correction (LDC)     | Yes  |
| Live video                           | CVBS 1.0Vp-p, 75 ohm, connector  |
| Encryption                           | Base64 HTTP encryption / Digest  |
| Access                               | Multiple user access levels with password protection   |
| User accounts                        | 10 user accounts available   |
| IP address filter                    | Yes  |
| Multi IP address                     | Yes  |
| Users                                | 10 simultaneous users  |
| OSD (On-Screen Display)              | Text over date, time , and camera name   |
| IVS (Intelligent Video Surveillance) | Advanced motion detection, Tripwire detection, Semaphore + Tripwire detection, Object counting |
| Alarm event triggers                 | Motion/Tamper/Network lost detection   |
| Alarm event actions                  | FTP,SMTP, HTTP post, SD card, SAMBA  |
| CPU                                  | Embedded SoC ARM Cortex-A9, 600MHz, 256MB<br>DDR3, 256MB flash memory                          |
| Firmware                             | Firmware upgrade via HTTP, and IP Scan   |
| Network Interface/Ethernet           | 10Base-T / 100Base-TX, RJ-45   |
| CE                                   | Yes  |
| FCC                                  | Yes FCC EMI CLASS B  |
| OS requirement                       | Windows 7, Windows 8, Windows 10   |
| Web browser                          | Microsoft® Internet Explorer® 9.0 and later  |
| CPU requirement                      | Intel i3 or above  |

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| RAM requirement       | 4GB or above, dedicated graphics card  |
| Protocols             | IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, MQTT, QoS, SNMP, SNMP Trap, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SDDP, Bonjour |
| Mobile phone          | Supports LILIN mobile app (LILIN Viewer) in both iOS and Android versions  |
| Video Management      | ONVIF Profile S / LILIN Navigator Enterprise 1.0 and 2.0 / Third party VMS through LILIN HTTP API  |
| Video Display         | LILIN Universal ActiveX , LILIN Java Applet & HTML5  |
| Languages             | English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese  |
| OS                    | Embedded Linux 3.10  |
| SD Card (recording)   | Support Micro SD/SDHC/SDXC (up to 128GB) card for circular recording (card is not included)  |
| Operating temperature | -25°C – +50°C (-13°F – 122°F)  |
| Dimensions            | Ø 120mm x 106mm  |
| Weight                | 505g approx.   |
| Power Supply          | DC12V ±10% , Power over Ethernet (IEEE 802.3af compliant)  |
| PoE                   | PoE , IEEE 802.3af   |
| Power Consumption     | DC12V, 5.4W / PoE, 7W  |