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## 1080P Day & Night Fixed IR IP Dome Camera



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### Features

- Full HD 2 megapixel CMOS image sensor
- 1080P True H.264 AVC High Profile video compression
- H.264 and Motion JPEG multi-profile video streaming
- Smart H.264 supported
- 3D noise reduction (MCTF)
- 2D WDR function
- HDR function up to 100dB
- High efficiency IR LED, radiant distance up to 30m
- Day & Night (IR cut removable)
- 3-Axis construction
- ONVIF Profile S supported

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### Description

As with all M series cameras, MR3022 HD 30M-Range IR Fixed Dome IP Camera in the M series 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 masking, white balance, as well as the minimum illumination 0.15 Lux at F2.0 can certainly satisfy multiple applications.

## Specifications

Model	MR3022
Min. illumination/Low Light Mode (Colour)	Color : 0.1 Lux at F2.0 ; B/W : 0.05 Lux at F2.0 ; 0 Lux with IR LED ON
Starting Temperature	0°C – +50°C (32°F – 122°F)
Operating temperature	-25°C – +50°C (-13°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, 4.5W / PoE, 5.6W
Lens	4mm
Iris	F2.0
Iris Control	Fixed IRIS
Angle of View	90° (H) 45° (V) 107° (D)
Peak wavelength	850nm
Beam Spread	60°
Max IR distance	30M
Pick Up Element	1/2.7" CMOS image sensor
Effective pixels	1920 (H) × 1080 (V) = 2,073,600 (Pixels)
CE	Yes, EMI CLASS B
FCC	Yes, EMI CLASS B
CPU	Intel® Core™ i3 or higher grade
OS	Windows 7 or above
RAM	4GB or above, Dedicated Graphics Card
Web browser	Microsoft® Internet Explorer® 9 or above

Dimensions	Ø110 × 89(H) mm
Weight	360g
Video Compression	H.264 main and high profile, Motion JPEG
Video streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast 4 configurable streams in 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
Encryption	Base64 HTTP encryption
Authentication	Digest HTTP authentication, RTSP authentication, 802.1x, DDNS via HTTPS
Address Filter	IP 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	H.264 / MJPEG : up to 30 fps @ 1920 × 1080
Scanning System	Progressive Scan
Infrared Cut Filter	Auto / Day (Color) / Night (Mono) / Schedule
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2
Electrical Shutter	1/30(1/25)s – 1/30000s
Sense Up	Off / 1 Frame / 2 Frames
Sense Up+	Yes
Auto Gain Control	42 dB Variable Gain
3D Noise Reduction	Off / 1 – 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 zones)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip
Lens distortion correction (LDC)	Yes
Mobile phone	Integrated to LILIN mobile app (LILIN Viewer), iPhone, iPad, Android support
Video Management	ONVIF Profile S, LILIN Navigator Enterprise 2.0, Third party VMS through LILIN HTTP API
SD Card (recording)	Support (128GB) Micro SD/SDHC/SDXC card for circular recording (card is not included)
Firmware	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
Alarm event triggers	Motion / Tamper / Network lost detection
Alarm event actions	FTP / SMTP / HTTP post / SD card / SAMBA / SNMP Trap / Push Service notification
Alarm weighted mode	Yes
Languages	English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese
Ethernet	10/100 Mbps Base-T, RJ-45
ePTZ & Digital Zoom	Yes, ROI (Region of Interest)
OSD	Text overlay for date, time, and camera name
CPU.Memory	Embedded SoC ARM Cortex-A9, 600MHz, 256MB DDR3, 256MB flash memory
Network OS	Embedded Linux 3.10

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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, 802.1x, SSL/TLS
Max number of online users	10 simultaneous users
Video Display	LILIN Universal ActiveX & HTML5

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