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## 4MP Fixed IP Dome Camera



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## Features

- Full HD 4 megapixel CMOS image sensor
- 1080P True H.264 AVC High Profile video compression
- H.264 and Motion JPEG multi-profile video streaming
- HDR function up to 100dB
- Built-in highly sensitive microphone
- ONVIF Profile S supported
- Microdome IP camera
- Compact design and discreet low-profile form factor

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## Description

As with all M series cameras, the 4MP HD Dome IP Camera MD2242 incorporates Sense up+, a unique technology that delivers stunning video in low-light conditions. Utilizing intelligent image signal processing, auto gain control (AGC), and 3D Noise Reduction, the image of this model under demanding lighting conditions does not suffer from motion blur. The MD2242 is capable of producing three independent video streams, and different streams can be adjusted for different applications, depending on the individual user requirements.

## Specifications

Model	MD2242
Min. illumination/Low Light Mode (Colour)	0.3 Lux at F2.0
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, 2.6W / PoE, 3.8W
Lens	3.6mm
Iris	F2.0
Angle of View	88° (H) 47° (V) 106° (D)
Pick Up Element	1/3" CMOS image sensor
Effective pixels	2688 (H) × 1520 (V) = 4,085,760 (Pixels)
CE	Yes, EMI CLASS A
FCC	Yes, EMI CLASS A
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	Ø105 × 39 mm
Weight	250g
Audio	One way Audio, G.711 u-law / PCM / AAC, Built-in Microphone
Video Compression	H.264 main and high profile, Motion JPEG

Video streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast 3 configurable streams in H.264 and Motion JPEG, configurable frame rate , bandwidth Codec and GOP
Number of streams	3
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, 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	4MP(2688 × 1520), 3.6MP(2560 × 1440), 3MP(2304 × 1296), 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 20 fps @ 2688 × 1520
Scanning System	Progressive Scan
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2 / Customized adjustable red gain and blue gain
Electrical Shutter	1/30(1/25)s – 1/20000s
Sense Up	Off / 1 Frame / 2 Frames
Sense Up+	Yes
Auto Gain Control	36 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 (in HDR mode, 2 shutter line interleave)
Privacy Masking	Off / On (4 zones)

Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Lens Distortion Correction
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 / Audio / Network lost detection
Alarm event actions	FTP / SMTP (SSL & TLS) / 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
OSD	Text overlay for date, time, and camera name
CPU.Memory	Embedded SoC ARM Cortex-A9, 600MHz, 256MB DDR3, 32MB flash memory
Network OS	Embedded Linux 3.10
Protocols	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, MQTT, QoS, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SDDP, Bonjour, SSL/TLS

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Max number of online users	10 simultaneous users
Video Display	LILIN Universal ActiveX, LILIN Java Applet & HTML5

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