



1080P Day & Night Fixed IR IP Dome Camera



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
- Digital PTZ supported
- Tampering / Motion detection alarm function
- High efficiency IR LED, radiant distance up to 30m
- Day & Night (IR cut removable)
- 3-Axis construction
- ONVIF Profile S supported

Discontinued date

- 2021.01.31

Alternative models

- M series of H264 or other H265 series

Description

MR302B is a day & night 2MP Dome IR IP camera designed for a range of environments demanding high security such as critical infrastructure, factory, retail, transportation, residential and hotel.

It features a full HD 2.0 megapixel CMOS image sensor. The camera has built-in IR-cut filter which allows clearer images at day and night operations even in the low lux condition. The high efficiency IR LED radiant distance can extend up to 30m.

Supported with privacy mask, 3D noise reduction, 2D WDR function, MR302B ensures to deliver a clear and detailed image to the users.

Specifications

Model	MR302B (Discontinued)
Min. illumination/Low Light Mode (Colour)	Color : 0.15 Lux at F2.0 ; B/W : 0.03 Lux at F2.0 ; With Infrared LED 0 Lux
Operating temperature	-25°C – +50°C (-13°F – 122°F)
Power Supply	DC12V ±10%
Power Consumption	DC12V, 4.5W / PoE, 5.5W
Focal Length	4mm
Iris	F2.0
Angle of View	(H)94° (V)50° (D)102°
Peak wavelength	850nm
Max IR distance	30M
Pick Up Element	1/2.8" CMOS image sensor
Effective pixels	1920 (H) x 1080 (V) = 2,073,600 (pixels)
CE	Yes, EMI CLASS B
FCC	Yes, EMI CLASS B
CPU	Embedded SoC ARM Cortex-A9, 600MHz, 256MB DDR3, 256MB flash memory

OS	Embedded Linux 3.10
Web browser	Microsoft® Internet Explorer® 11, Google Chrome, Mozilla Firefox
Dimensions	Ø110 x 89mm (H)
Weight	365g
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
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, HTTPS encryption, Digest HTTP authentication, RTSP Authentication
Access	Multiple user access levels with password protection
User accounts	10 simultaneous users
Multi IP address	Yes
Resolution	1080P(1920 x 1080) , 720P(1280x960, 1280 x 720) , D1(720 x 480, 720x576) , CIF(640x480, 352 X 240)
Maximum Frame Rate	H.264 / Motion JPEG: up to 30 fps @ 1920x1080
Scanning System	Progressive scan
Infrared Cut Filter	Auto / Schedule / Day (Color) / Night (Mono)
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Custom
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
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)

Privacy Masking	Off / On (4 zones)
Mobile Application	Integrated to LILIN mobile app (LILIN Viewer), iPhone, iPad, Android support
Video Management	ONVIF Profile S, LILIN Navigator Enterprise 1.0 and 2.0 support, Third party VMS through LILIN HTTP API
SD Card (recording)	Support Micro SD/SDHCSDXC card for circular recording (card is not included)
Firmware	Firmware update via HTTP and IP Scan ; Firmware available at web site
Alarm event triggers	Motion / Tamper / Network detection
Alarm event actions	FTP / SMTP / HTTP post / SD card / SAMBA / SNMP Trap / Push Service notification
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 is supported
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
Video Display	LILIN Universal ActiveX & HTML5
Other functions	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Lens Distortion Correction
Infrared LED Angle	60°
IP address filter	IP address filter, MAC address filter
OSD (On-Screen Display)	Text overlay for date, time, and camera name
CPU requirement	Intel i3 or above
OS requirement	Windows 7, Windows 8, Windows 10
RAM requirement	4GB or above, Dedicated Graphics Card
PoE	PoE (IEEE 802.3af compliant)

