



Day & Night 1080P HD Dome IR IP Camera



Features

- Full HD 2 megapixel CMOS image sensor
- True H.264 AVC/MPEG-4 part 10 real-time video compression
- H.264 and Motion JPEG triple video streaming
- 3D noise reduction (MCTF)
- 2D WDR function
- Digital PTZ supported
- Motion detection alarm function
- 3-Axis camera construction
- High efficiency IR LED, radiant distance up to 20m
- Day & Night (IR cut removable)
- ONVIF Profile S supported

Specifications

Model	MR312
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Image Sensor/Sensor type	1/2.9" CMOS image sensor
Max. Image Pixels/ Total sensor pixels/ Effective Pixels	1920 (H) x 1080 (V) = 2,073,600 pixels
Video Compression	H.264 , Motion JPEG
Megapixels	1080P(1920 x 1080) , 720p(1280 x 720) , D1(720 x 480) , CIF(352 x 240)
Frame Rates	H.264 : up to 30 fps @ 1920 x 1080 , 30fps @ 1280 x 720 , 30fps @ 720 x 480 / Motion JPEG : up to 15 fps @ 1920 x 1080 , 30 fps @ 720 x 480 , 30 fps @ 352 x 240
Lens/Focal length	2.9mm
Iris	F2.0
Angle of View	102°(H), 58°(V), 118°(D)
IR Radiant Distance	30m
Infrared LED Angle	45° , 90°
Video streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast Multiple configurable streams in H.264 and M-JPEG, configurable frame rate and bandwidth
Video bitrate	128Kbps-8Mbps ; Frame rate and bitrate controllable on-the-fly ; VBR / CBR / GOP supported
Peak wavelength	850nm
Scanning System	Progressive Scan
IR cut filter	Colour (Day), Monochrome (Night), Auto, Schedule
Min. illumination/Low Light Mode (Colour)	Color : 0.15 Lux at F2.0 , B/W : 0.05 Lux at F2.0 , 0.0 lux with IR LED ON
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2
Back Light Compensation (BLC)	On / Off
Shutter Time	1/30(1/25)s to 1/8000s
Sense Up	Off / 1 frame / 2 frames / 3 frames / 7 frames
Sense Up+	Yes
Auto Gain Control	36 dB variable gain
3D Noise Reduction	Off / 1 to 32 selectable

2D WDR	Off / Auto / x2 / x3 / x4
Privacy Masking	Off / On (4 independent areas)
D/N quality setting	Yes
Adjustable picture setting	Contrast, Brightness, Saturation
Other functions	Sharpness, Image flip, Image mirror, Hue
Encryption	Base64 HTTP encryption
Access	Multiple user access levels with password protection
User accounts	10 user accounts available
IP address filter	Yes
Multi IP address	Yes
Users	8 simultaneous users
ePTZ & Digital Zoom	Yes, ROI is supported
OSD (On-Screen Display)	Text overlay for date, time and camera name
Alarm event triggers	Motion detection triggering recording into SD card, Image upload over FTP and E-mail by motion detection
Alarm event actions	Yes
Alarm weighted mode	Yes
CPU	Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory
Firmware	Firmware upgrade via HTTP
Network Interface/Ethernet	10Mbps / 100Mbps Base-T, RJ-45
CE	Yes
FCC	Yes
Connectivity	ONVIF Profile S
OS requirement	Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8
Web browser	Microsoft® Internet Explorer® 6.0 and later
CPU requirement	Intel Pentium 4 1.8GHz or above
RAM requirement	1GB or above, Independent Display Card

Protocols	IPv4□IPv6□TCP□UDP□HTTP□SMTP□NTP□ DDNS□UPnP□FTP□ARP□DHCP□PPPoE□DNS□ RTSP□RTCP□Telnet□ICMP□IGMP□ONVIF Profile S□SNMP□SIP□Bonjour
RTSP Authentication	On / Off
Mobile phone	Integrated to LILIN mobile app (LILINViewer) ; iPhone, iPad, Android support
Video Management	ONVIF Profile S / ONVIF Profile S / Third party VMS through LILIN HTTP API
Video Display	LILIN Universal ActiveX & LILIN Java Applet
OS	Embedded Linux 2.6.32
SD Card/ SD card recording	Support Micro SD/SDHC card for circular recording (card is not included)
Operating temperature	-25□ to 50□ (-13□ to 122□)
Dimensions	Ø105mm x 80mm
Weight	300g approx.
Power Supply	Power over Ethernet (IEEE 802.3af compliant)
PoE	PoE
Power Consumption	PoE, 8.5W