

## 4MP Day & Night Fixed IR Vandal Resistant IP Dome Camera

Min. illumination/Low Light Mode (Colour)	Color : 0.3 Lux at F2.0 ; B/W : 0.0 Lux at F2.0 ; 0 Lux with IR LED ON
Starting Temperature	-10°C – +50°C (14°F – 122°F)
Operating temperature	-40°C – +50°C (-40°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	84° (H) 44° (V) 100° (D)
Peak wavelength	850nm
Beam Spread	60°
Max IR distance	30M
Pick Up Element	1/3" CMOS image sensor
Effective pixels	2688 (H) × 1520 (V) = 4,085,760 (Pixels)
CE	Yes, EMI CLASS B
FCC	Yes, EMI CLASS B
IP Rating	IP67
Vandal Resistant Rating / IK Rating	IK10
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 mm
Weight	500g
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

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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
Users	10 simultaneous users
Multi IP address	Yes
Resolution	4MP(2688 × 1520), 2560x1440, 2304x1296, 1920 × 1080 (1080P), 1280 × 960, 1280 × 720 (720P), 720 × 480 (D1), 720 × 576 (D1), 640 × 480, 352 × 240 (CIF)
Frame Rates	H.264 / MJPEG : up to 20 fps @ 2688 × 1520
Scanning System	Progressive Scan
Infrared Cut Filter	Auto / Day (Color) / Night (Mono) / Schedule
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2
Back Light Compensation (BLC)	On / Off
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)

## 4MP Day & Night Fixed IR Vandal Resistant IP Dome Camera

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
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
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
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
User accounts	10 simultaneous users
Video Display	LILIN Universal ActiveX, LILIN Java Applet & HTML5