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## 5MP Day & Night Auto Focus IR Vandal Resistant IP Dome Camera



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### Features

- 5 megapixel CMOS image sensor
- 5MP H.265/HEVC and H.264/AVC high-performance video compression
- Simultaneous streaming of H.265 and H.264 encoded streams
- Auto focus with zoom / focus motorized lens
- 3D noise reduction (MCTF)
- 2D WDR function
- DWDR function up to 70dB
- High efficiency IR LED, radiant distance up to 30m
- Day & Night (IR cut removable)
- Digital I/O : 1 in, 1 out
- Impact Resistant Polycarbonate Dome Cover
- 3-Axis construction
- ONVIF Profile S supported
- IP67 rain and dust resistant
- Vandal resistant approve

## Specifications

Model	Z5R6452X3
Min. illumination/Low Light Mode (Colour)	Color : 0.05 Lux at F1.6 ; B/W : 0.01 Lux at F1.6 ; 0 Lux with IR LED ON
Starting Temperature	-10°C – +50°C (14°F – 122°F)
Operating temperature	-30°C – +50°C (-22°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, 7.5W / PoE, 10W
Focal Length	2.8 – 12 mm (zoom / focus motorized)
Iris	F 1.6(W) - F 3.3(T)
Iris Control	Fixed IRIS
Angle of View	90.4° (W) – 29.8° (T) (H) 65.5° (W) – 22.1° (T) (V) 119.2° (W) – 37.0° (T) (D)
Peak wavelength	850nm
Beam Spread	60° , 90°
Max IR distance	30M
Pick Up Element	1/2.7" CMOS image sensor
Effective pixels	2608(H) X 1960(V) = 5,499,760 (Pixels)
Light sensor	Yes
CE	Yes, EMI CLASS A
FCC	Yes, EMI CLASS A
IP Rating	IP67
Vandal Resistant Rating / IK Rating	IK10
CPU	Intel® Core™ i7 or higher grade
OS	Windows 7 or above
RAM	8GB or more, Dedicated Graphics Card
Web browser	Microsoft® Internet Explorer® 9 or above
Dimensions	Ø120 × 106 mm
Weight	760g

Casing Material	Aluminum alloy
Color	White
Alarm Input / output	Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load.max. 40VDC,450mW/300mA,450mW), Terminal block
Video Compression	H.265/HEVC Main Profile, H.264 Main Profile , Motion JPEG
Video streaming	RTSP/UDP, RTSP/TCP, configurable streams in H.265 and H.264 and Motion JPEG, configurable frame rate and bandwidth
Number of streams	3
Video bitrate	128Kbps - 8192Kbps, Frame rate and bit rate controllable on-the-fly, VBR / CBR / GOP supported, H.264/H.265
Encryption	Base64 HTTP encryption, Digest HTTP authentication, RTSP Authentication
Authentication	Digest HTTP authentication, RTSP authentication, DDNS via HTTPS
Access	Multiple user access levels with password protection
User accounts	7 simultaneous users
Resolution	5MP(2592 × 1920), 4MP(2304 × 1728), 3MP(2304x1280), 2MP(1920 × 1080), 1.3MP(1280 × 960), 1MP(1280 × 720), 720 × 576, 720 × 480, 720 × 384, VGA(640 × 480), CIF(352 × 256)
Maximum Frame Rate	2592x1920 / 20 fps
Scanning System	Progressive Scan
Infrared Cut Filter	Auto / Schedule / Day (Color) / Night (Mono)
White Balance	Auto/ Manual (adjustable)
Back Light Compensation (BLC)	Off / On
Electrical Shutter	1/30(1/25)s – 1/20000s
Sense Up	Off / x2 / x4

Sense Up+	Yes
Auto Gain Control	42 dB Variable Gain
S / N Ratio	More than 48dB (AGC off)
3D Noise Reduction	Off / 1 - 32 Selectabl
2D WDR	Off / Auto (x2, x3, x4)
High Dynamic Range(HDR)	Up to 70dB (DWDR on)
EV (Exposure Value)	Adjustable
Privacy Masking	Off / On (4 zones) color mask configurable
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Rotation
Auto Focus	One Push
Mobile Application	Integrated to LILIN mobile app (LILIN Viewer), iPhone, iPad, Android support
Video Management	ONVIF Profile S / LILIN Navigator Enterprise 2.0 support, Third party VMS through LILIN HTTP API
SD Card (recording)	Support (128GB) Micro SD/SDHC/SDXC card for circular recording (card is not included)
Maintenance	Firmware update via HTTP and IP Scan; Firmware available at website
Alarm event triggers	Motion / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
Alarm event actions	FTP / SMTP / HTTP POST / SD / SAMBA / Alarm / Global Counter / Virtual Input / 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, RJ-45
OSD	Text overlay for date, time, and camera name (position configurable text overlay for date, time, camera name)

CPU.Memory	SoC ARM Cortex-A7 Single Core 800MHz, Embedded 128MB DDR3, 128MB flash memory
Network OS	Embedded Linux 3.10
Protocols	IIPv4, TCP, UDP, HTTP, HTTPS, SMTP, NTP, DDNS, FTP, ARP, DHCP, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SSL/TLS
Max number of online users	7 simultaneous users
Video Display	LILIN Universal ActiveX
Log	System / Config / Alarm / User / Record / Storage / Network