

Z Series | IP Dome Camera

ZHR6482EX2

4K Day & Night Auto Focus IR Vandal Resistant Dome IP Camera



- ▶ 4K Ultra High Definition resolution
- ▶ 4K True H.264 AVC High Profile video compression
- ▶ H.264 and Motion JPEG multi-profile video streaming
- ▶ Auto focus with zoom / focus motorized lens
- ▶ 3D noise reduction (MCTF)
- ▶ 2D WDR function
- ▶ HDR function up to 100dB
- ▶ Digital PTZ supported
- ▶ IVS supported
- ▶ Motion / Tamper / Audio / Alarm / Network lost detection function
- ▶ High efficiency IR LED, radiant distance up to 30m
- ▶ Day & Night (IR cut removable)
- ▶ 2-way audio supported
- ▶ 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

Dimensions

Ø 120 x 106 mm approx.

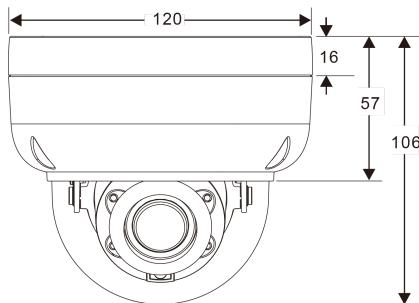
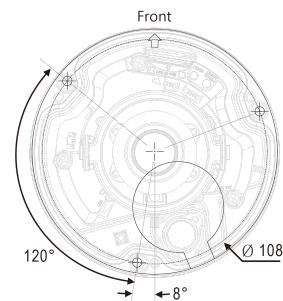


Diagram of mounting holes:(unit in mm)



ZHR6482EX2 is 4K Ultra HD IR IP outdoor dome camera integrates Auto Focus lens to focus or zoom adjustments by clicking on browsers, waterproof ip67 rated and Wide Dynamic Range. The camera is featuring 30 frames per second and 3,840-by-2,160-pixel picture. As the demand of super resolution in video surveillance is on the rise, 4K is the stepping stone of prevalent 1080P Full HD. LILIN's new 4K Ultra HD network camera, ZHR6482EX2, enhances HD images by providing four times HD picture with beautifully natural detail and astonishing saturated colors.

Product Features

ZHR6482EX2

Wind and Rain Standards

Meet international IP67 standards for dust and moisture resistant allowing you to install cameras in environments subject to wind and rain



Two-way Audio Support

With 2-way audio communication, you can project your voice through the camera's speaker instead of hearing what's going on (1-way audio)



Back Light Compensation

Back Light Compensation (BLC) adjusts the exposure of the entire image to properly expose the subject in the foreground. No matter if the main object is moving toward left, right, upper, lower, or any location in the screen, BLC provides perfect exposure for an object in front of strong back light



Wide Dynamic Range (WDR)

Wide Dynamic Range (WDR) displays details of both the brightest and darkest areas. WDR can extend image visibility under high contrast lighting scenes and improve image quality



Object Counting

Object Counting is able to accurately input images containing similar objects. Intelligent Object Counting technology includes People Counting feature – people enter or exit an area over time can be counted, as well as Vehicle Counting feature – to detect and track vehicle in real-time



Audio Detection

With Audio Detection technology, an alarm is triggered based on ambient sound conditions as the threshold



Tamper Detection

Automatically detects camera sabotage or failure. Detects any attempts to tamper with the camera – partially or completely blocking its lens or field of view



Impact Resistant

IK10-certified housing designed to protect the camera from destructive behavior



Day and Night Operations via Removal of the IR-cut filter

ZHR6482EX2 camera was designed using a mechanical IR cut filter for increased IR sensitivity resulting in improved night time images. The removable IR-cut filter allows day and night operations even in the low lux condition providing outstanding vision



3D Noise Reduction

Remove noise from a signal. Suppressing noise in an image in low light conditions and able to retain quality videos at the same time



Tripwire Detection

Tripwire Detection can be used where physical security is impractical or even impossible; i.e. railway tracks. An alarm can be enabled in either directions across the tripwire. Line Crossing that an object crossing a line drawn anywhere in the scene can be detected, and also Zone Intrusion that any arbitrary shape zone can be set to monitor intrusion



Alarm Detection

Alarm Detection is designed to provide the electronic detection of intruders



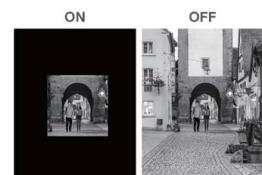
Motion Detection

Detect motion and capture the event. Motion in the selected area will provoke an alert.



Region of Interest (ROI)

A Region of Interest (ROI) is a specified part of an image that is highlighted from a camera. This feature is great for highlighting areas such as doors or areas of access where an overall scene is still required



Technical Specifications

ZHR6482EX2

4K Day & Night Auto Focus IR Vandal Resistant Dome IP Camera	
Video Performance	
Model	ZHR6482EX2
Min. Illumination	Color : 0.5 Lux at F1.5 at 30% LSB ; B/W : 0.05 Lux at F1.5 at 30% LSB (Sense Up ON) ; 0 Lux with IR LED ON
Power and Environment	
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)
Humidity	0% – 90% RH
Power Supply	DC12V ±10% / PoE (IEEE 802.3af compliant)
Power Consumption	DC12V, 9.5W / PoE, 10.5W
Lens / Night vision (infrared LED)	
Focal Length	3.6mm – 10mm (zoom / focus motorized)
Iris	F1.5(W) – F2.8(T), DC IRIS
Angle of View	98° (W) – 42° (T) (H) 54° (W) – 24° (T) (V) 113° (W) – 48° (T) (D)
Peak Wavelength	850nm
Beam Spread	60°, 90°
Radiant Distance	30M
Sensor	
Pick Up Element	1/1.7" CMOS image sensor
Effective Pixels	4072 (H) x 3046 (V) = 12,403,312 (pixels)
Certifications	
CE	Yes, EMI CLASS A
FCC	Yes, EMI CLASS A
IP Rating	IP67
Vandal Resistant Rating	IK10
PC Requirements	
CPU	Intel® Core™ i5 or higher grade
OS	Windows 7 or above
RAM	8GB or above, Dedicated Graphics Card
Web browser	Microsoft® Internet Explorer® 9 or above
Mechanical	
Dimension	Ø 120 x 106 mm approx.
Weight	720g approx.
Input / Output	
Audio Input / Output	Mono, 1.98 Vp-p, 2.2KΩ ,Terminal block (Pigtail)
Live Video Output	CVBS 1.0Vp-p, 75 ohm, connector
Audio	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required
Alarm Input / Output	Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load max. 40VDC/300mA), Terminal block
Video Streaming	
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, bandwidth Codec and GOP
Number of streams	4
Video Bitrate	128Kbps – 12Mbps; Frame rate and bit rate controllable on-the-fly; VBR / CBR / GOP supported; Fixed bitrate
Network Security	
Encryption	Base64 HTTP encryption, HTTPS encryption
Authentication	Digest HTTP authentication, RTSP authentication
Address Filter	IP address filter, MAC address filter
Access	Multiple user access levels with password protection
User accounts	10 simultaneous users
Multi IP address	Yes

Video Resolutions (H x V)	
Resolution	4K(3840 x 2160), 2MP(1920 x 1080), 1.3MP(1280 x 960), 1MP(1280 x 720), D1(720 x 480, 720 x 576), VGA(640 x 480), CIF(352 x 240)
Maximum Frame Rate	Single-stream mode, H.264 : up to 30 fps @ 3840 x 2160 (Video only support preview mode) Multi-stream mode, H.264 : up to 24 fps @ 3840 x 2160, 30 fps @ 1920 x 1080, MJPEG : up to 30 fps @ 1920 x 1080
Video Functions	
Scanning System	Progressive Scan
Infrared Cut Filter	Auto / Day (Color) / Night (Mono) / Schedule
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Custom
Back Light Compensation	On / Off
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)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip
Auto Focus	One push
Smart IR	Off / On
Integration	
Mobile Application	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 Micro SD/SDHC/SDXC card for circular recording (card is not included)
Maintenance	Firmware update via HTTP and IP Scan; Firmware available at web site
IVS Basic	Motion Detection, Tampering Detection, Advanced Motion Detection, Tripwire, Traffic Light Detection, Object Counting
IVS Advanced (Optional)	Unattended Object Detection, Missing Object Detection, Advanced Tripwire Detection, Advanced Object Counting, Crowd Detection, Loitering Detection, Face Detection
Event Triggers	Motion / Tamper / Audio / Alarm / Network lost detection
Event actions	FTP / SMTP / HTTP post / SD card / SAMBA / SMTP Trap / Alarm Output
Alarm weighted mode	Off / On
Languages	English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese
Network	
Ethernet	10/100/1000 Mbps Base-T (Tx), RJ-45
ePTZ & Digital Zoom	Yes, ROI (Region of Interest)
OSD	Text overlay for date, time and camera name
CPU, Memory	Embedded SoC 1.2GHz Dual ARM Cortex-A9 & 600MHz ARM11, 1GB DDR3, 256MB flash memory
OS	Embedded Linux 3.8.8
Network 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, Bonjour, SIP
Max number of online users	10 user accounts available
Video Display	LILIN Universal ActiveX & HTML5

www.e-rong.co.th

E-mail : sales@e-rong.co.th
Line official ID : @e-rongconsultants



Thailand : E-Rong Consultants Co.,Ltd.
Tel : 02-664-6588 | E-mail : sales@e-rong.co.th

ERONG
E-Rong Consultants Co., Ltd.
THINK OF TECHNOLOGY THINK OF E-RONG