LGNXDO4KIQWA

8.1MP (4K) High IQ Motorized Lens Dome Network Camera



NDAA Compliant

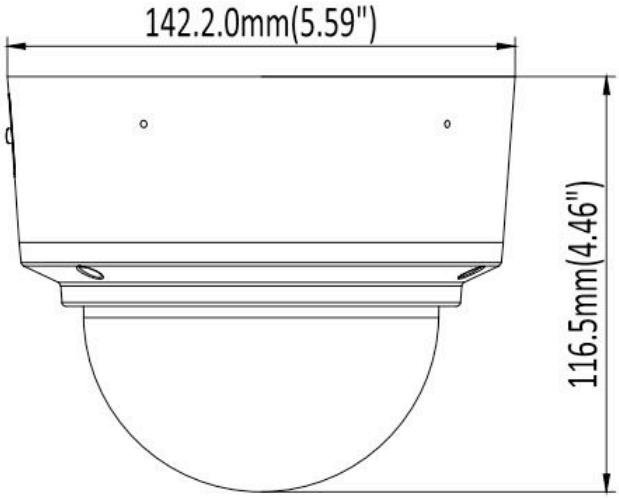
iQ High AI Intelligence Quotient

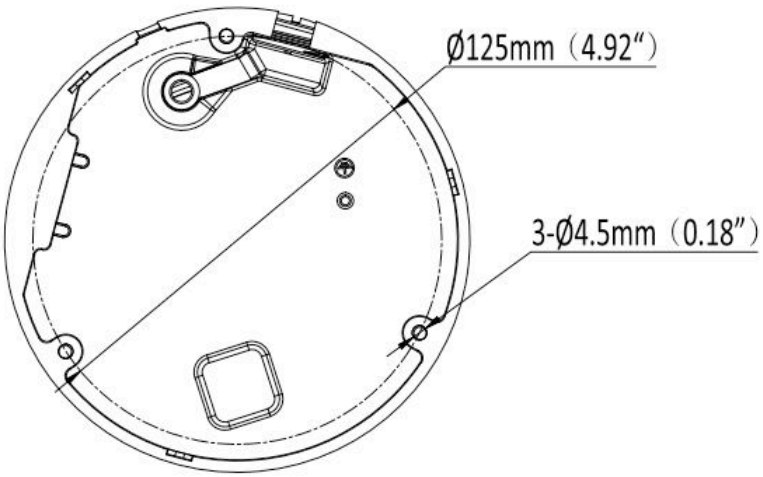
4K | WDR 120dB | Built-in Mic | IP67

In Short

This 8.1MP (4K) High IQ dome network camera delivers detailed video with a 2.7 mm to 13.5 mm motorized varifocal lens, IR illumination up to 50 m, and intelligent human and vehicle target classification for more accurate event detection. With 120 dB WDR, H.265+ compression, built-in microphone, audio and alarm I/O, and IP67 weather protection, it is designed for reliable professional security applications. Built for trusted installations, this camera is 100% NDAA compliant and delivers a premium, dependable solution for commercial and enterprise environments.

Dimensions





*Design and specifications are subject to change without notice - Version 2026-11-09.

TECHNICAL SPECIFICATIONS

Ordering Information	
Part Number	LGNXDO4KIQWA
Camera	
Image Sensor	1/2.8” Progressive Scan CMOS Sensor
Minimum Illumination	Colour: 0.006 Lux; 0 Lux with IR on
Illumination Distance	50 m IR light; smart IR supported
Strobe Light	Strobe light supported
Pan / Tilt / Rotation	Pan: 0° to 355° | Tilt: 0° to 75° | Rotation: 0° to 355°
Lens	
Focal Length	2.7 mm to 13.5 mm
Aperture	F 1.6
Field of View	Horizontal: 2.7 mm: 108° / 13.5 mm: 34°
	Vertical: 2.7 mm: 58° / 13.5 mm: 19°
	Diagonal: 2.7 mm: 130° / 13.5 mm: 39°
Mount	Ø14
DORI	
Detect	2.7 mm: 93 m / 13.5 mm: 274 m
Observe	2.7 mm: 36.3 m / 13.5 mm: 108.1 m
Recognize	2.7 mm: 18.2 m / 13.5 mm: 54.4 m
Identify	2.7 mm: 9.1 m / 13.5 mm: 27.2 m
Compression	
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG
H.265 Codec Profile	Main Profile
H.264 Codec Profile	Base / Main / High Profile
Video Bit Rate	11 Kbps to 16 Mbps
Multiple Streams	Triple streams supported
Audio Compression	G.711A, G.711U
Audio Bit Rate	64 Kbps
Image	
Maximum Resolution	8.1 MP (4K) (3840 x 2160)
Main Stream	
50Hz: 25fps 8MP (3840 x 2160), 25fps 6MP (3200 x 1800), 25fps 5MP (3072 x 1728), 25fps 4MP (2560 x 1440), 25fps 1080P (1920 x 1080); 60Hz: 30fps 8MP (3840 x 2160), 30fps 6MP (3200 x 1800), 30fps 5MP (3072 x 1728), 30fps 4MP (2560 x 1440), 30fps 1080P (1920 x 1080)	

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Sub Stream
50Hz: 25fps 720P (1280 x 720), 25fps D1 (704 x 576), 25fps CIF (352 x 288) (Default D1); 60Hz: 30fps 720P (1280 x 720), 30fps D1 (704 x 480), 30fps CIF (352 x 240)

Third Stream
50Hz: 25fps CIF (352 x 288); 60Hz: 30fps CIF (352 x 240)

Image Settings	
Parameters	Brightness / Contrast / Saturation / Hue / Sharpness
Shutter	Auto / Manual, 1/3 s to 1/100000 s
Day / Night	IR cut filter
WDR	120 dB
Noise Reduction	2D / 3D DNR
BLC	Backlight compensation supported
HLC	Highlight compensation supported
ROI	Region of interest supported
Rotation	Image rotation supported

Smart Features	
Basic Events	Motion detection, video tampering
Smart Events	Smart motion detection, line crossing detection, area intrusion, region entrance, region exiting, scene change detection; alarm triggering by specified human and vehicle target types
Face Detection	Face detection supported

Network	
Storage	NAS (NFS, SMB/CIFS), ANR
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P
Compatibility	ONVIF Profile S, Profile G, Profile T; SDK
Security	Password protection, complex password support, HTTPS encryption, IP address filtering, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video
Users	Up to 40 users
Browsers	Plug-in required live view: IE 10, IE 11; Local service: Chrome 57.0+, Firefox 52.0+
Mobile	iOS, Android

Active Deterrence	
Red/Blue Light	N/A
Sound Warning	N/A

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Interface	
Network	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Up to 256GB
Microphone	Built-in microphone supported
Speaker	N/A
Audio Input / Output	1 input / 1 output
Alarm Input / Output	1 input / 1 output
Reset Button	Reset button supported
General	
Operating Conditions	-40°C to 60°C (-40°F to 140°F)
Humidity	95% or less, non-condensing
Power Supply	12V DC ± 25%
PoE	PoE IEEE 802.3af
Power Consumption	Maximum 11 W
Protection	IP67
Material	Metal housing
Dimensions	Ø142.2 x 116.5 mm (Ø5.59” x 4.46”)
Weight	1020 g (2.25 lb)

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TECHNICAL SPECIFICATIONS

Accessories



XLGNXLB12C - Junction Box, Ø142 x 46.5 mm



XLGNXLB07C - Wall Mount, Ø136 x 120 x 208 mm

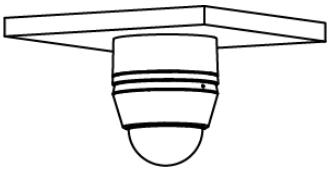


XLGNXPM03 - Pole Mount, Ø170 x 135.8 x 43.7 mm



XLGNXCM700 - Pendant Mount, Ø116 x 734.5 mm

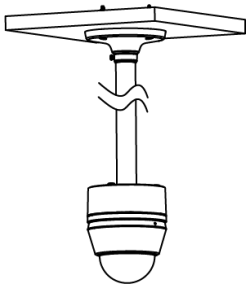
Accessories Mount



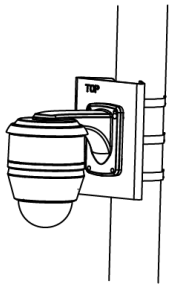
XLGNXLB12C



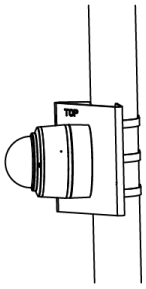
XLGNXLB12C + XLGNXLB07C



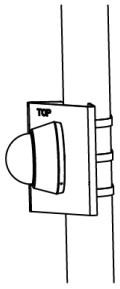
XLGNXLB12C + XLGNXCM700



XLGNXLB12C + XLGNXLB07C + XLGNXPM03



XLGNXLB12C + XLGNXPM03



XLGNXPM03

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