LGNXTO4KIQWAB

4K High IQ Motorized Lens Black Turret Network Camera

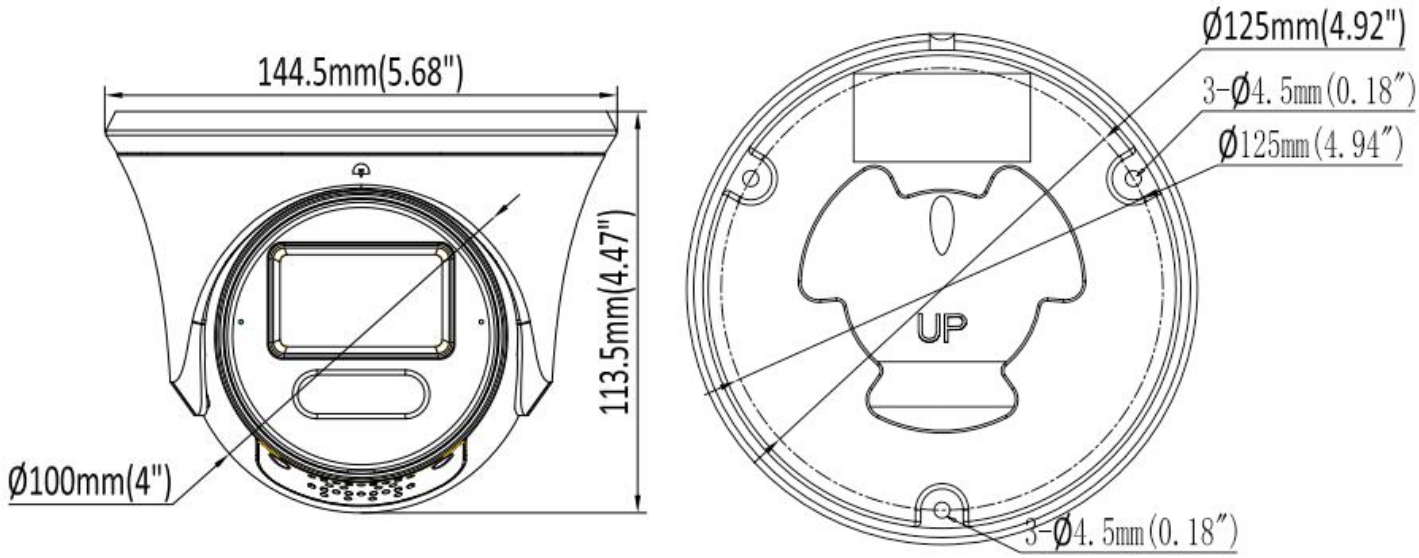




In Short

This 4K High IQ motorized turret network camera is available in white or black and delivers detailed 8MP video with a 2.7 mm to 13.5 mm motorized varifocal lens, IR illumination up to 40 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, face detection, and IP67-rated 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 2026-05-18

TECHNICAL SPECIFICATIONS

Product Identification	
Part Number	LGNXTO4KIQWA
Imaging Performance	
Image Sensor	1/2.8” 4K (8 MP) Progressive Scan CMOS Sensor
Minimum Illumination	Colour: 0.006 Lux; 0 Lux with IR on
Illumination Distance	40 m IR light; smart IR supported
Strobe Light	Strobe light supported
Pan / Tilt / Rotation	Pan: 0° to 360° | Tilt: 0° to 75° | Rotation: 0° to 360°
Optics	
Focal Length	2.7 mm to 13.5 mm
Aperture	F1.6
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 Performance	
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
Video & Audio 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	10 Kbps to 16 Mbps
Multiple Streams	Triple streams supported
Audio Compression	G.711A, G.711U
Audio Bit Rate	64 Kbps
Video Output	
Maximum Resolution	8MP (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)
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)

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Third Stream	50Hz: 25fps CIF (352 x 288); 60Hz: 30fps CIF (352 x 240)
Image Optimization	
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
Intelligent Analytics	
Basic Events	Motion detection, video tampering
Smart Events	Smart motion detection, line crossing detection, area intrusion, region entrance, region exiting, loitering detection, scene change detection; alarm triggering by specified human and vehicle target types
Face Detection	Face detection supported
Network & Cybersecurity	
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 ONVIF
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
System Interfaces	
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

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Alarm Input / Output	1 input / 1 output
Reset Button	Reset button supported
Mechanical & Environmental	
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	Ø144.5 x 113.5 mm (Ø5.68” x 4.47”)
Weight	1100 g (2.43 lb)

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Accessories



XLGNXLB12C(B) - Junction box, Ø142 x 46.5 mm



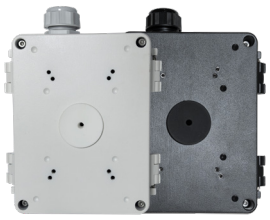
XLGNXLB07C(B) - Wall Mount, Ø136 x 120 x 208 mm



XLGNXPM03 - Pole mount, Ø170 x 135.8 x 43.7 mm



XLGNXCM700 - Pendant Mount, Ø116 x 734.5 mm



XLGNXJB17(B) - Junction box with doors and hinges for XLGNXLB07C(B) and XLGNXLB14C(B), 170 x 153.6 x 70 mm



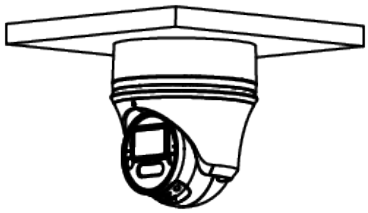
XLGNXPC1B5 - Corner Mounting Bracket, 194 x 183 x 104 mm

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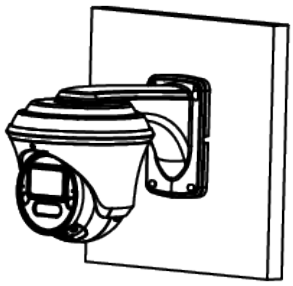
TECHNICAL SPECIFICATIONS

Mounting Options

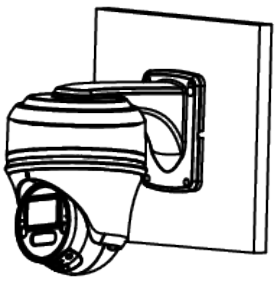
Select the appropriate mounting option based on the installation environment.



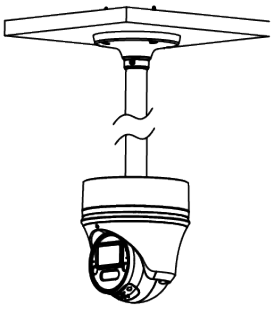
XLGNXLB12C(B)



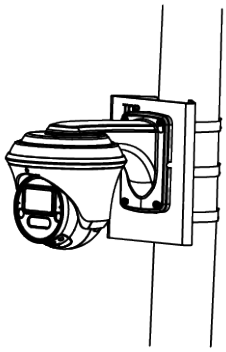
XLGNXLB07C(B)



XLGNXLB12C(B) + XLGNXLB07C(B)



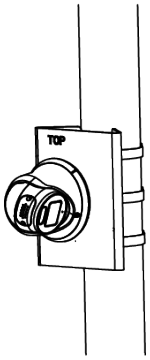
XLGNXLB12C(B) + XLGNXCM700



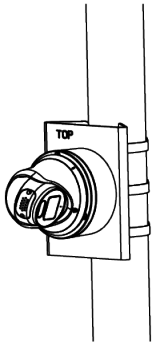
XLGNXLB07C(B) + XLGNXPM03



XLGNXLB12C(B) + XLGNXLB07C(B) + XLGNXPM03



XLGNXPM03



XLGNXLB12C(B) + XLGNXPM03

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