LGNXTO4KDIWF
LGNXTO4KDIWFB – Black

8.1MP (4K) Intelligent Dual Light Fixed Lens Turret Network Camera



NDAA Compliant

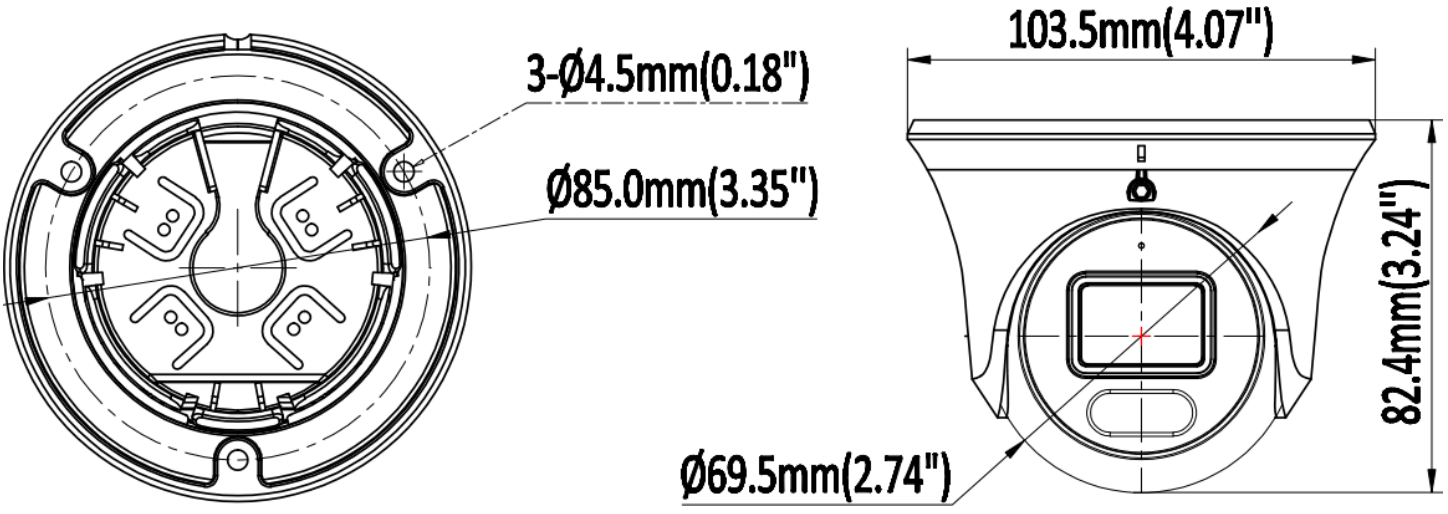
AD Active Deterrence

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

In Short

This 8.1MP (4K) intelligent dual light turret network camera delivers detailed video with a 2.8 mm fixed lens, dual light illumination (IR and warm light) up to 30 m, and intelligent human and vehicle target classification for more accurate event detection. With 120 dB WDR, H.265+ compression, built-in microphone, 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	LGNXTO4KDIWF
	LGNXTO4KDIWFB – Black
Camera	
Image Sensor	1/2.7” Progressive Scan CMOS Sensor
Minimum Illumination	Colour: 0.006 Lux (F1.6, AGC ON), 0 Lux with light
Illumination Distance	30 m (IR light); 30 m (warm light); smart IR supported
Strobe Light	N/A
Pan / Tilt / Rotation	Pan: 0° to 360° | Tilt: 0° to 75° | Rotation: 0° to 360°
Lens	
Focal Length	2.8 mm
Aperture	F1.6
Field of View	Horizontal: 110°
	Vertical: 58°
	Diagonal: 128°
Mount	M12
Compression	
Video Compression	H.264 / H.264+ / H.265 / H.265+ / MJPEG (sub stream)
H.265 Codec Profile	Main Profile
H.264 Codec Profile	Base / Main / High Profile
Video Bit Rate	11 Kbps to 13 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: 20fps 8MP (3840 x 2160), 20fps 6MP (3200 x 1800), 25fps 5MP (3072 x 1728), 25fps 4MP (2560 x 1440), 25fps 1080P (1920 x 1080); 60Hz: 20fps 8MP (3840 x 2160), 20fps 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), Note:If the main stream resolution is 8MP and 6MP, the sub stream resolution is both 20fps	

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Third Stream
50Hz: 25fps CIF (352 x 288); 60Hz: 30fps CIF (352 x 240), Note:If the main stream resolution is 8MP and 6MP, the third stream resolution is both 20fps

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, area intrusion, region entrance, region exiting; alarm triggering by specified human and vehicle target types
Face Detection	N/A

Network	
Storage	NAS (NFS, SMB/CIFS)
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	User authentication, IP address filtering, Video mask
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	Supported
Sound Warning	N/A

Interface	
Network	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Up to 256GB
Microphone	Built-in microphone supported
Speaker	N/A

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Audio Input / Output	N/A
Alarm Input / Output	N/A
Reset Button	Reset button supported
General	
Operating Conditions	-30°C to 60°C (-22°F to 140°F)
Humidity	95% or less, non-condensing
Power Supply	12V DC ± 10%
PoE	PoE IEEE 802.3af
Power Consumption	Maximum 6.3 W
Protection	IP67
Material	Metal housing
Dimensions	Ø103.5x 82.4 mm (Ø4.07” x 3.24”)
Weight	450 g (0.99 lb)

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TECHNICAL SPECIFICATIONS

Accessories



XLGNXLB10(B) - Junction Box, Ø112.5 x 49.5 mm



XLGNXLB14C(B) - Wall Mount, Ø120 x 105.8 x 183.5 mm

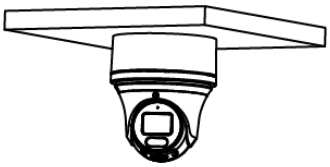


XLGNXPM03 - Pole Mount, Ø170 x 135.8 x 43.7 mm

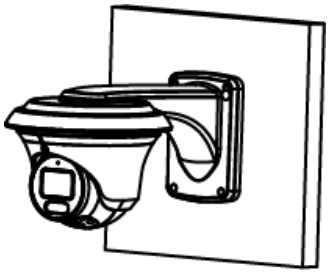


XLGNXCM700 - Pendant Mount, Ø116 x 734.5 mm

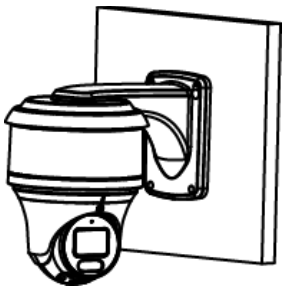
Accessories Mount



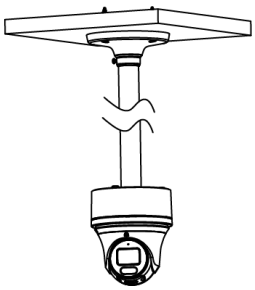
XLGNXLB10(B)



XLGNXLB14C(B)



XLGNXLB10(B) + XLGNXLB14C(B)



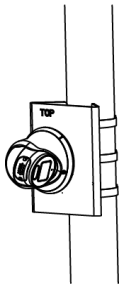
XLGNXLB10(B) + XLGNXCM700



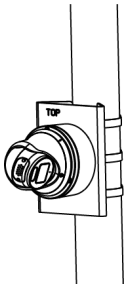
XLGNXLB14C(B) + XLGNXPM03



XLGNXLB10(B) + XLGNXLB14C(B) + XLGNXPM03



XLGNXPM03



XLGNXLB10(B) + XLGNXPM03

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