

LGNXK16N12T2T

4K 16-channel NVR kit with 2TB hard drive, including 12 x 4.1 MP turret cameras



12 x LGNXT04IRF - 4.1 MP Fixed Turret Network Camera



- *High-definition imaging with 4.1 MP resolution*
- *Human and vehicle target classification with intelligent analytics*
- *IR illumination up to 30 m (98 ft)*
- *IP67 water and dust protection rating*
- *IK10 vandal-resistant rating*
- *Built-in microphone*



LGNX16164KLN2T - 4K 16-Channel Network Video Recorder (NVR)



- *16 IP video channels up to 12 MP*
- *Video compression: H.265+/H.265/H.264+/H.264*
- *Incoming / outgoing bandwidth: 160 Mbps / 80 Mbps*
- *Simultaneous HDMI and VGA outputs, HDMI up to 4K*
- *16 independent PoE ports (total power budget: 96 W)*
- *Camera-based intelligent functions*



*Design and specifications are subject to change without notice - Version 2026-01-23

LGNXK16N12T2T – 4K 16-Channel NVR Kit with 2TB Hard Drive, Including 12 × 4.1MP Turret Cameras

Camera : LGNXT04IRF - 4.1MP Fixed Turret Network Camera

Camera

Image Sensor

1/2.7" Progressive Scan CMOS

Minimum Illumination

0.03 Lux at F2.0 (Color, 30IRE); 0.003 Lux at F2.0 (B/W, 30IRE);
0 Lux (illuminator on)

Illumination Distance

IR: up to 30 m

Smart IR

Supported

Strobe Light

N/A

Pan / Tilt / Rotation

0° to 360° / 0° to 75° / 0° to 360°

Lens

Focal Length

2.8 mm

Aperture

F2.0

Field of View

HORIZONTAL : 101°

VERTICAL : 56°

DIAGONAL : 118°

Mount

M12

Compression

Video Compression

H.264 / H.264+ / H.265 / H.265+ / MJPEG

H.265 Codec Profile

Main

H.264 Codec Profile

Base / Main / High

Video Bit Rate

11 Kbps to 6 Mbps

Multiple Streams

Triple streams

Audio Compression

G.711A, G.711U

Audio Bit Rate

64 Kbps

Image

Maximum Resolution

4MP (2688 × 1520)

Main Stream

50Hz

25 fps 4MP (2688 × 1520)

25 fps 3MP (2304 × 1296)

25 fps 1080P (1920 × 1080)

25 fps 1.3MP (1280 × 960)

25 fps 720P (1280 × 720)

60Hz

30 fps 4MP (2688 × 1520)

30 fps 3MP (2304 × 1296)

30 fps 1080P (1920 × 1080)

30 fps 1.3MP (1280 × 960)

30 fps 720P (1280 × 720)

Sub Stream

50Hz

25 fps D1 (704 × 576)

25 fps VGA (640 × 480)

25 fps CIF (352 × 288)

60Hz

30 fps D1 (704 × 480)

30 fps VGA (640 × 480)

30 fps CIF (352 × 240)

Third Stream

50Hz

25 fps CIF (352 × 288)

60Hz

30 fps CIF (352 × 240)

Image Settings

Parameters

Brightness / Contrast / Saturation / Hue / Sharpness

Shutter

Auto / Manual, 1/3 to 1/100000 s

Day / Night

IR Cut Filter

WDR

DWDR

Noise Reduction

2D / 3D DNR

Back Light Compensation (BLC)

Supported

High Light Compensation (HLC)

Supported

Region of Interest (ROI)

Supported

Rotation

Supported

*Design and specifications are subject to change without notice - Version 2026-01-23

LGXK16N12T2T – 4K 16-Channel NVR Kit with 2TB Hard Drive, Including 12 × 4.1MP Turret Cameras

Camera : LGNXT04IRF - 4.1MP Fixed Turret Network Camera

Smart Features

Basic Events

Motion detection, video tampering

Smart Events

Smart motion detection, line crossing, area intrusion, region entrance/exiting with human/vehicle filtering

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, G, T), SDK

Security

IP address filtering, HTTP/HTTPS basic and digest authentication, TLS 1.1/1.2, WSSE

Users

10

Browsers

IE10, IE11; Chrome 57+; Firefox 52+

Mobile

iOS, Android

Active Deterrence

Red/Blue Light

N/A

Sound Warning

N/A

Interface

Network

1 × RJ45 10/100 Mbps

On-board Storage

Up to 256 GB

Microphone

Supported

Speaker

N/A

Audio Input / Output

N/A

Alarm Input / Output

N/A

Reset Button

Supported

General

Operating Conditions

-40 °C to 60 °C

Humidity

≤ 95% non-condensing

Power Supply

DC12V ± 25%

PoE

802.3af

Power Consumption

Maximum 4.7 W

Protection

IP67, IK10

Material

Metal

Dimensions

Φ103.5 × 82.4 mm

Weight

450 g

*Design and specifications are subject to change without notice - Version 2026-01-23

Accessories



XLGNXLB10 / XLGNXLB10B
Junction Box



XLGNXPM03
Pole Mount

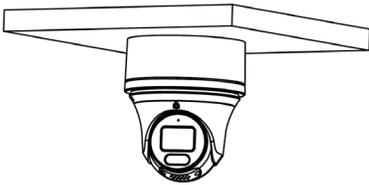


XLGNXLB14C / XLGNXLB14CB
Wall Mount

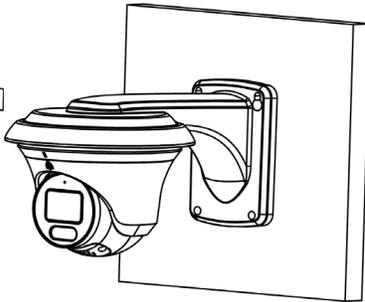


XLGNXCM700
Pendant Mount

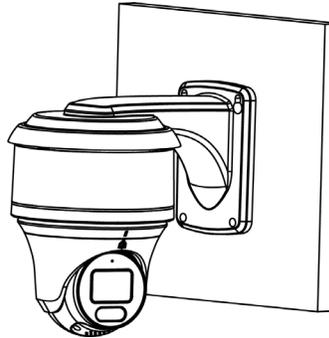
Accessories Mount



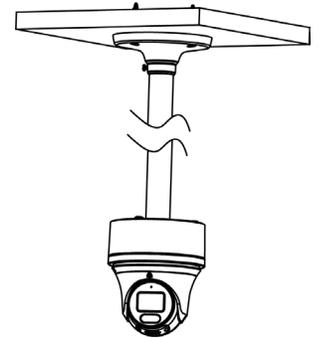
XLGNXLB10



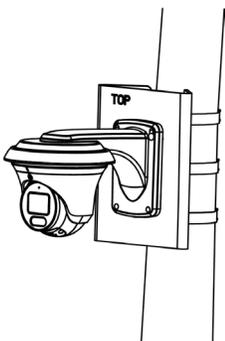
XLGNXLB14C



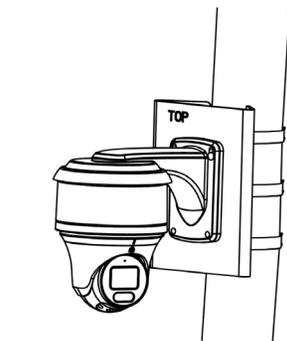
**XLGNXLB10
+ XLGNXLB14C**



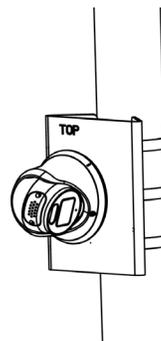
**XLGNXLB10
+ XLGNXCM700**



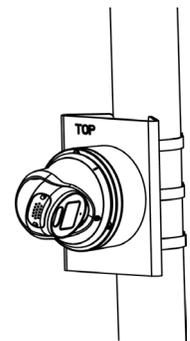
**XLGNXLB14C
+ XLGNXPM03**



**XLGNXLB10
+ XLGNXLB14C + XLGNXPM03**



XLGNXPM03



**XLGNXLB10
+ XLGNXPM03**

*Design and specifications are subject to change without notice - Version 2026-01-23

LGNXK16N12T2T – 4K 16-Channel NVR Kit with 2TB Hard Drive, Including 12 × 4.1MP Turret Cameras

Recorder: LGNX16164KLN2T - 4K 16-Channel Network Video Recorder (NVR) with 16 PoE ports, 2TB hard drive

Video & Audio Input

IP Video Input

16-ch

Audio Input

1-ch, RCA

Video & Audio Output

HDMI

1-ch: 3840 × 2160 / 30 Hz, 1920 × 1080 / 60 Hz,
1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz

VGA

1-ch: 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz,
1280 × 720 / 60 Hz

Audio Output

1-ch, RCA

Recording

Compression

H.265+/H.265/H.264+/H.264

Resolution

12MP / 8MP / 5MP / 4MP / 3MP / 1080P / 720P / D1 / CIF / QCIF

Bit Rate

64 Kbps to 10 Mbps

Playback & Backup

Playback Resolution

12MP / 8MP / 5MP / 4MP / 3MP / 1080P / 720P / D1 / CIF / QCIF

Decoding Capability

8-ch @ 1080P
3-ch @ 5MP
2-ch @ 8MP
1-ch @ 12MP

Synchronous Playback

8-ch

Playback Mode

Smart / Normal / Time Division / Label / Event / Picture / Log

Backup Mode

USB Device / Network

Advanced Features

Smart Detection

Area intrusion, line crossing, region entrance/region exiting, fast moving, object missing, unattended object, loitering detection, parking detection, face detection, people gathering detection, blurred detection, scene change detection, audio exception detection, human detection, vehicle detection, SMD, perimeter protection

Smart Playback

Face detection / Line crossing / Area intrusion / Motion / Human / Vehicle detection

Cloud Storage

Supported

Cloud Upgrade

Supported

Network

Incoming Bandwidth

160 Mbps

Outgoing Bandwidth

80 Mbps

Ethernet

1 × RJ-45 10 / 100 / 1000 Mbps self-adaptive

Network Compatibility

HTTPS, HTTP, TCP/IP, IPv4, UPnP, RTSP, UDP, SMTP, SNMP, NTP, DHCP, DNS, IP Filter, DDNS, FTP, P2P, ONVIF

Smart Phone

iOS (iPhone, iPad), Android (Phone, Pad)

Hard Disk

SATA

2 × SATA interfaces

Capacity

Up to 14 TB for each HDD

External Interface

PoE Interface

16 independent 10 / 100 Mbps PoE Ethernet interfaces

USB Interface

Front panel: 1 × USB 2.0
Rear panel: 1 × USB 2.0

Alarm Input / Output

4-ch / 1-ch

*Design and specifications are subject to change without notice - Version 2026-01-23

LGNXK16N12T2T – 4K 16-Channel NVR Kit with 2TB Hard Drive, Including 12 × 4.1MP Turret Cameras

Recorder: LGNX16164KLN2T - 4K 16-Channel Network Video Recorder (NVR) with 16 PoE ports, 2TB hard drive

General

Power Supply

DC 54 V / 3.33 A

Power Consumption

≤ 15 W (without HDD and PoE)

Working Environment

-10 °C to +55 °C / 10 % to 90 % RH

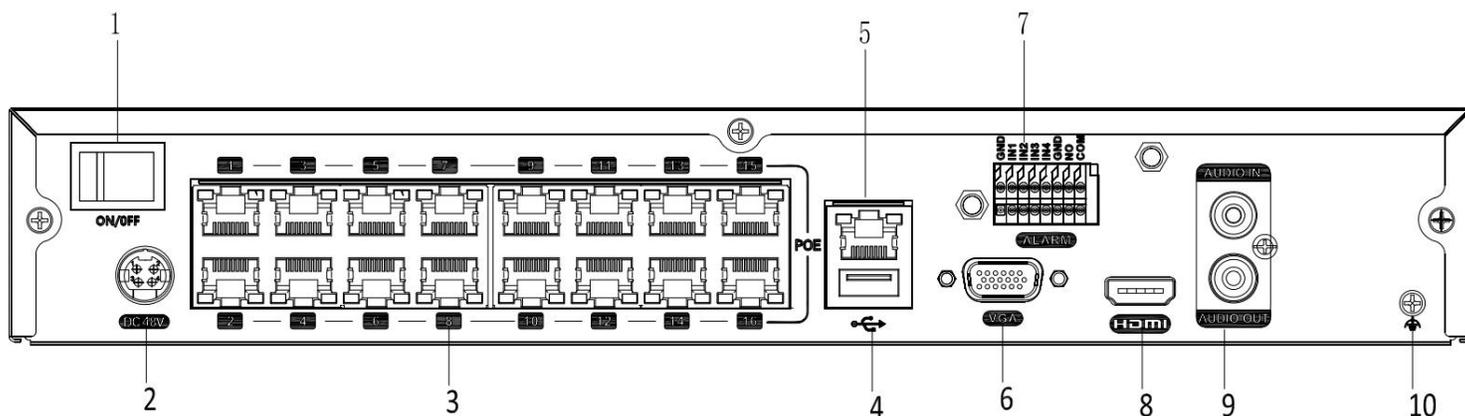
Dimension (W × D × H)

326 × 243 × 52 mm

Weight

2.6 kg

Rear Panel

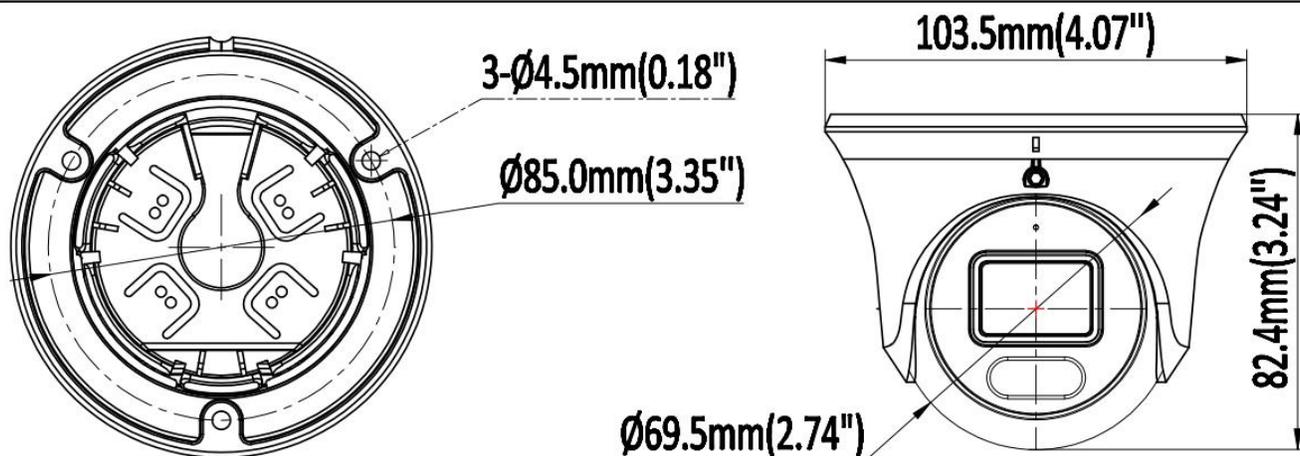


#	Item	#	Item
1	Power Switch	6	VGA Port
2	Power Input	7	Alarm Input
3	PoE Network Port	8	HDMI Port
4	USB Port	9	Audio Input/Output RCA
5	Network Port	10	Ground

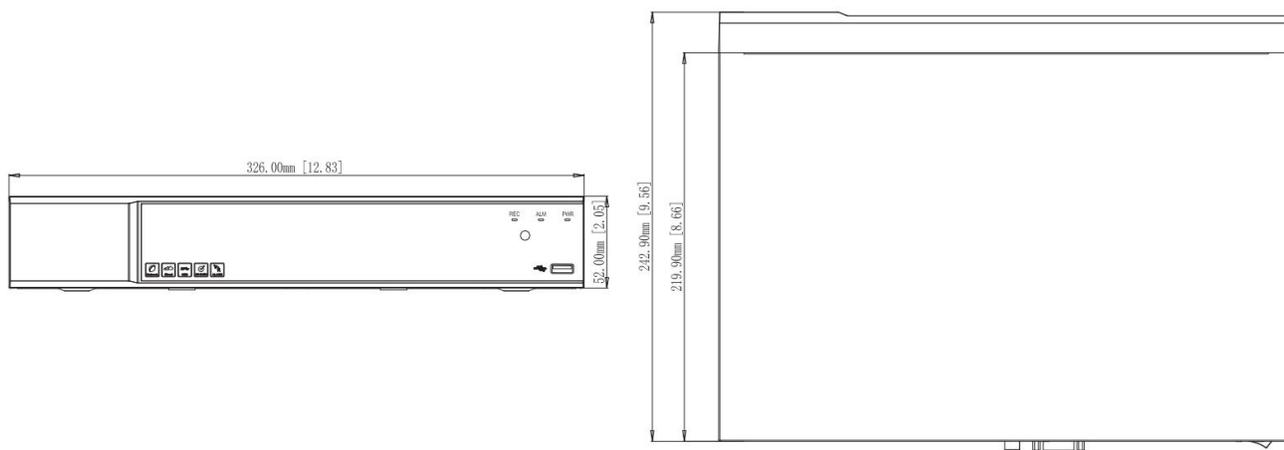
*Design and specifications are subject to change without notice - Version 2026-01-23

DIMENSIONS

Cameras - LGNXT04IRF



Recorder - LGNX16164KLN2T



*Design and specifications are subject to change without notice - Version 2026-01-23