LGNXK16N8CT2T

16 Channel 4K NVR Kit with 2 TB HDD and 8 × 6.1MP CHROMAVIEW LITE Smart ISP Turret Network Cameras



16 CH	8× 6.1MP	2 TB	16 PoE	4K
NVR	CHROMAVIEW	HDD	PoE Ports	HDMI Output

In Short

This kit combines a 16-channel 4K PoE network video recorder with a pre-installed 2 TB hard drive and eight 6.1MP CHROMAVIEW LITE Smart ISP fixed lens turret network cameras. Each camera combines 30 m IR and 30 m warm light, 120 dB WDR, H.265+ compression, human and vehicle target classification, face detection, a built-in microphone, a micro SD slot (up to 512 GB) and IP67 protection. The recorder powers the cameras through 16 independent PoE ports, leaving eight channels free for expansion, with simultaneous HDMI (up to 4K) and VGA outputs, two SATA bays (up to 14 TB each) and 4 alarm inputs.

Kit Contents	
Part Number	LGNXK16N8CT2T
Network Video Recorder	1 × LGNX16164KLN2T – 16 Channel 2HDD 4K PoE Network Video Recorder (Lite) (2 TB HDD pre-installed)
Network Cameras	8 × LGNXTO6DICVLWF – 6.1MP CHROMAVIEW LITE Smart ISP Fixed Lens Turret Network Camera

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

TECHNICAL SPECIFICATIONS

LGNXTO6DICVLWF 6.1MP CHROMAVIEW LITE Smart ISP Fixed Lens Turret Network Camera

Camera	
Image Sensor	1/2.7” Progressive Scan CMOS Sensor
Minimum Illumination	Colour: 0.007 Lux (F1.6, AGC ON), 0 Lux with light
Illumination Distance	30 m (IR light); 30 m (warm light)
Pan / Tilt / Rotation	Pan: 0° to 360° | Tilt: 0° to 75° | Rotation: 0° to 360°

Lens	
Focal Length	2.8/3.6 mm
Aperture	F1.6
Field of View	Horizontal: 2.8 mm: 110° / 3.6 mm: 91.5°
	Vertical: 2.8 mm: 59° / 3.6 mm: 46°
	Diagonal: 2.8 mm: 131° / 3.6 mm: 107°
Mount	M12
DORI	
Detect	2.8 mm: 73 m / 3.6 mm: 93 m
Observe	2.8 mm: 29.2 m / 3.6 mm: 37.2 m
Recognize	2.8 mm: 14.6 m / 3.6 mm: 18.6 m
Identify	2.8 mm: 7.3 m / 3.6 mm: 9.3 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	16 Kbps to 16384 Kbps
Multiple Streams	Triple streams supported
Audio Compression	G.711A/G.711U
Audio Bit Rate	64 Kbps

Image	
Maximum Resolution	6.1 MP (3296 x 1856)
Main Stream	
50Hz: 20fps 6MP (3296 x 1856), 25fps 5MP (2880 x 1620), 25fps 4MP (2560 x 1440), 25fps 1080P (1920 x 1080); 60Hz: 20fps 6MP (3296 x 1856), 30fps 5MP (2880 x 1620), 30fps 4MP (2560 x 1440), 30fps 1080P (1920 x 1080)	

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Sub Stream
50Hz: 25fps D1 (704 x 576), 25fps CIF (352 x 288); 60Hz: 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
Defog	Defog supported
LDC	N/A

Smart Features	
Basic Events	Motion detection, Tampering
Smart Events	Smart Motion Detection, Line Crossing Detection, Area Intrusion, Region Entrance, Region Exiting, fast moving; alarm triggering by specified human and vehicle target types
People Counting	N/A
Loitering Detection	N/A
Face Detection	Face detection supported

Network	
Storage	N/A
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P
Compatibility	ONVIF Profile G, Profile S, Profile T; CGI
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 10 users
Browsers	Plug-in required live view: IE 10, IE 11; Local service: Chrome 57.0+, Firefox 52.0+
Mobile	iPhone, iPad, Android devices

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Active Deterrence	
Red/Blue Light	N/A
Sound Warning	N/A
Interface	
Network	1 RJ45 10M/100M Ethernet Port
On-board Storage	Built-in Micro SD/SDHC/SDXC slot, up to 512GB
Microphone	Built-in microphone supported
Speaker	N/A
Audio Input / Output	N/A
Alarm Input / Output	N/A
RS-485	N/A
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	Basic: 2.2 W (12 VDC); 2.86 W (PoE); Maximum: 5.9 W (12 VDC); 7.67 W (PoE)
Protection	IP67
Material	Metal housing
Dimensions	Ø103.5 x 82.4 mm (Ø4.07” x 3.24”)
Weight	440 g (0.97 lb)

LGNX16164KLN2T 16 Channel 2HDD 4K PoE Network Video Recorder (Lite)

Video & Audio Input	
IP Video Input	16-ch, up to 12MP
Audio Input	1-ch, RCA
Video & Audio Output	
HDMI Output	1-ch, 4K (3840 × 2160) / 30Hz, 1920 × 1080 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz
VGA Output	1-ch, 1920 × 1080 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz
Video Output Mode	Simultaneous HDMI and VGA output

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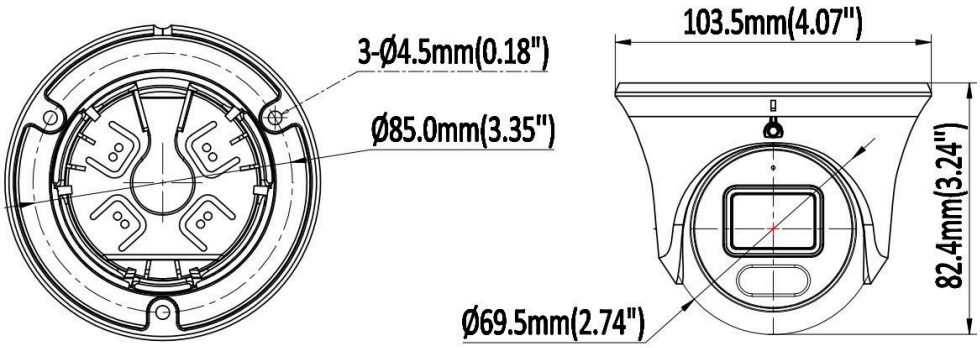
Audio Output	1-ch, RCA
Recording	
Compression	H.265+ / H.265 / H.264+ / H.264
Resolution	12MP / 8MP / 5MP / 4MP / 3MP / 1080P / 720P / D1 / CIF / QCIF
Bit Rate	64 Kbps to 10 Mbps
Playback & Backup	
Decoding Capability	8-ch @ 1080P
	3-ch @ 5MP
	2-ch @ 8MP
	1-ch @ 12MP
Synchronous Playback	8-ch
Playback Mode	Smart / Normal / Time Division / Label / Event / Picture / Log Playback
Backup Mode	USB Device / Network
Smart Features	
Smart Detection (by Camera)	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, PP
Smart Playback	Face Detection / Line Crossing / Area Intrusion / Motion Detection / Human Detection / 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 Ethernet interface
Protocols	HTTPS, HTTP, TCP/IP, IPv4, UPnP, RTSP, UDP, SMTP, SNMP, NTP, DHCP, DNS, IP Filter, DDNS, FTP, P2P, ONVIF
Mobile	iOS (iPhone, iPad), Android (Phone, Pad)
Hard Disk	
SATA	2 SATA interfaces
Capacity	Up to 14 TB per HDD
External Interface	
PoE Ports	16 independent 10/100 Mbps PoE Ethernet interfaces

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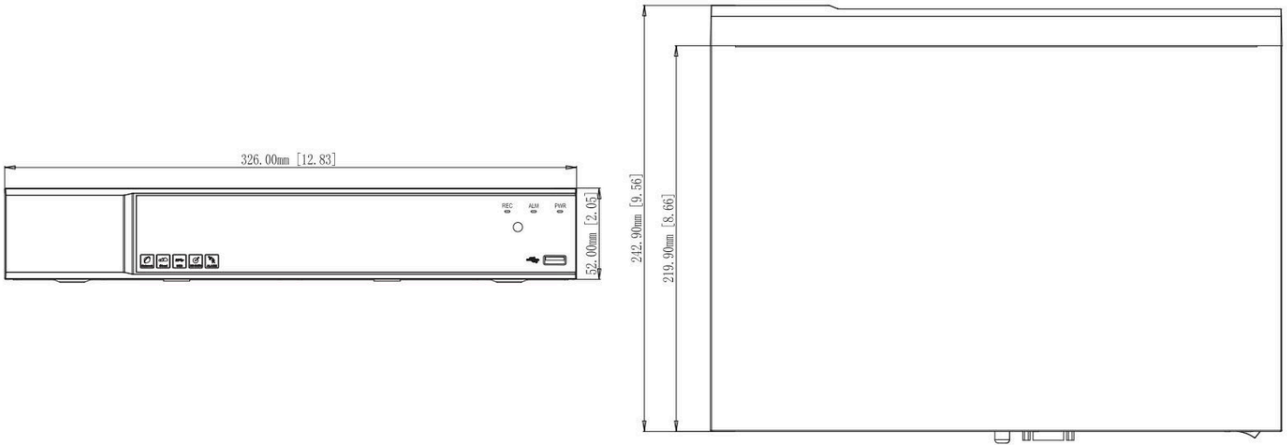
TECHNICAL SPECIFICATIONS

USB Interface	Front panel: 1 × USB 2.0 | Rear panel: 1 × USB 2.0
Alarm Input	4-ch
Alarm Output	1-ch
General	
Power Supply	DC 54V, 3.33A
Power Consumption	≤ 15W (without HDD and PoE)
Operating Conditions	-10°C to +55°C (14°F to 131°F), 10% to 90% RH
Dimensions (W × D × H)	326 × 243 × 52 mm (12.83" × 9.56" × 2.05")
Weight	2.6 kg (5.73 lb)

Dimensions



LGNXTO6DICVLWF

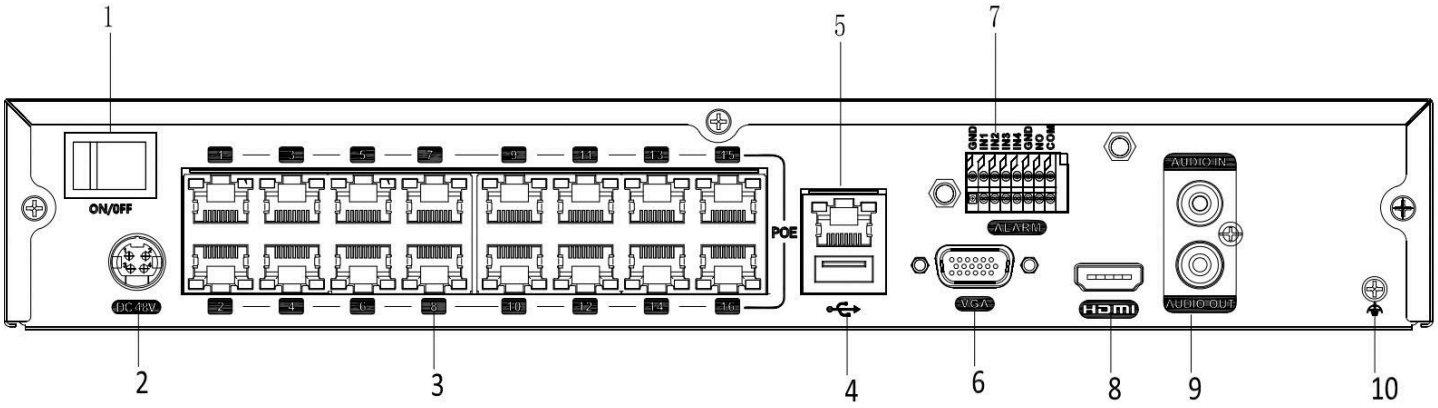


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TECHNICAL SPECIFICATIONS

Rear Panel – LGNX16164KLN



No.	Description	No.	Description
1	Power Switch	**6**	VGA Port
2	Power Input	**7**	Alarm Input
3	PoE Network Port	**8**	HDMI Port
4	USB Port	**9**	Audio IN/OUT RCA
5	Network Port	**10**	Ground

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