LGNX644KN

64 Channel 2U 8HDD 4K Network Video Recorder

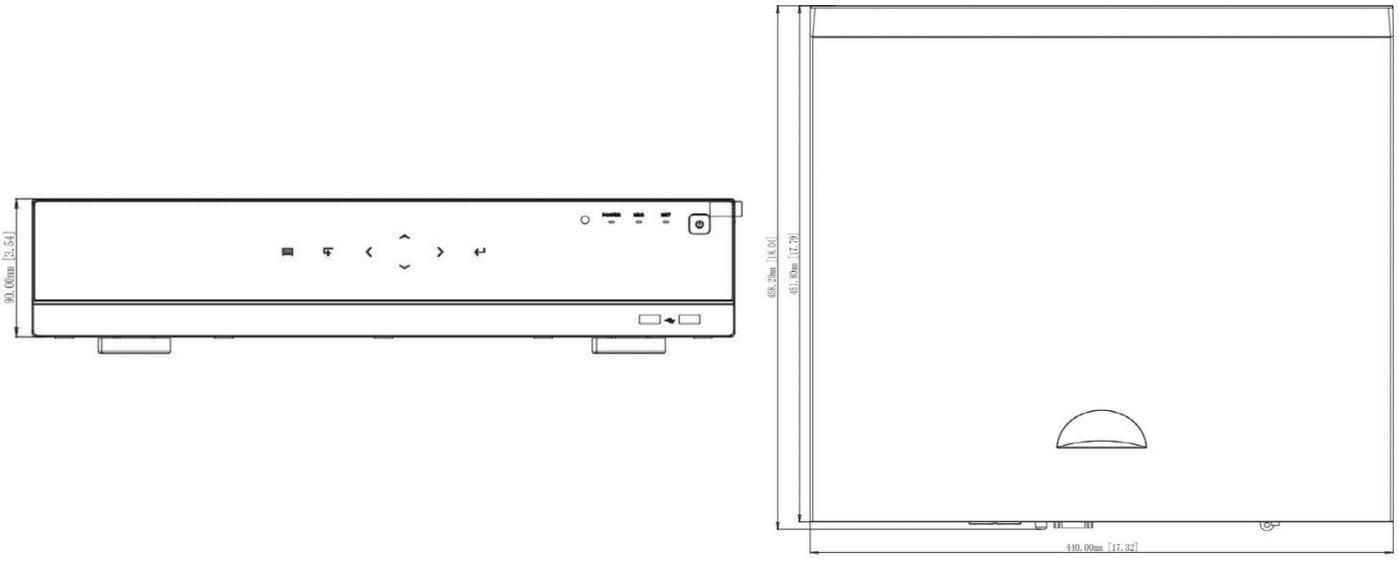


64 CH	8K	8 HDD	RAID	2.5 GbE
IP Input	HDMI Output	SATA Bays	0, 1, 5, 10	Dual Ethernet

In Short

This 64-channel 2U network video recorder supports IP cameras up to 12MP with up to 1024 Mbps of incoming bandwidth and H.265+ compression. Four HDMI outputs (HDMI1 up to 8K) and two VGA outputs support multi-screen video walls, while eight SATA bays (up to 22 TB each) with RAID 0, 1, 5 and 10, N+1 hot spare and eSATA backup protect critical footage. Dual 2.5 GbE Ethernet ports, 16 alarm inputs, 8 alarm outputs, RS-485, RS-232, ONVIF and RTSP compatibility, third-party cloud backup and mobile access make it the flagship recorder for enterprise installations.

Dimensions



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

TECHNICAL SPECIFICATIONS

Ordering Information	
Part Number	LGNX644KN
Pre-installed HDD	LGNX644KN16T (16 TB), LGNX644KN20T (20 TB), LGNX644KN24T (24 TB)
	LGNX644KN28T (28 TB), LGNX644KN32T (32 TB), LGNX644KN36T (36 TB)
	LGNX644KN40T (40 TB), LGNX644KN44T (44 TB), LGNX644KN48T (48 TB)
	LGNX644KN52T (52 TB), LGNX644KN56T (56 TB), LGNX644KN60T (60 TB)
	LGNX644KN70T (70 TB), LGNX644KN80T (80 TB)
Video & Audio Input	
IP Video Input	64-ch, up to 12MP
Audio Input	1-ch, RCA
Video & Audio Output	
HDMI 1 Output	7680 × 4320 / 30Hz, 3840 × 2160 / 30Hz, 1920 × 1080 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz
HDMI 2 Output	3840 × 2160 / 30Hz, 1920 × 1080 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz
HDMI 3 Output	1920 × 1080 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz
HDMI 4 Output	3840 × 2160 / 30Hz, 1920 × 1080 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz
VGA 1 Output	1920 × 1080 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz
VGA 2 Output	1920 × 1080 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz
Video Output Mode	2-ch VGA, 4-ch HDMI video output
	Simultaneous: max. resolution of HDMI1 is 8K; HDMI2 and HDMI4 is 4K; VGA1, VGA2 and HDMI3 is 1080p
	Heterologous: simultaneous video source output for VGA1 and HDMI4, and for VGA2 and HDMI2; max. resolution of HDMI1, HDMI2 and HDMI4 is 4K; HDMI3, VGA1 and VGA2 is 1080P
Main Screen Split	1, 4, 8, 9, 16, 25, 36, 64
Secondary Screen Split	1, 4, 8, 9, 16, 25, 36
Audio Output	2-ch, RCA
Recording	
Compression	H.265+ / H.265 / H.264+ / H.264
Resolution	12MP / 8MP / 5MP / 4MP / 3MP / 1080P / 720P / D1 / CIF / QCIF
Playback & Backup	
Playback Resolution	12MP / 8MP / 5MP / 4MP / 3MP / 1080P / 720P / D1 / CIF / QCIF
Decoding Capability	H.265: 32-ch @ 1080P, 16-ch @ 4MP, 8-ch @ 8MP, 4-ch @ 16MP, 2-ch @ 32MP (30fps)
	H.264: 16-ch @ 1080P, 8-ch @ 4MP, 4-ch @ 8MP, 2-ch @ 16MP, 1-ch @ 32MP (30fps)

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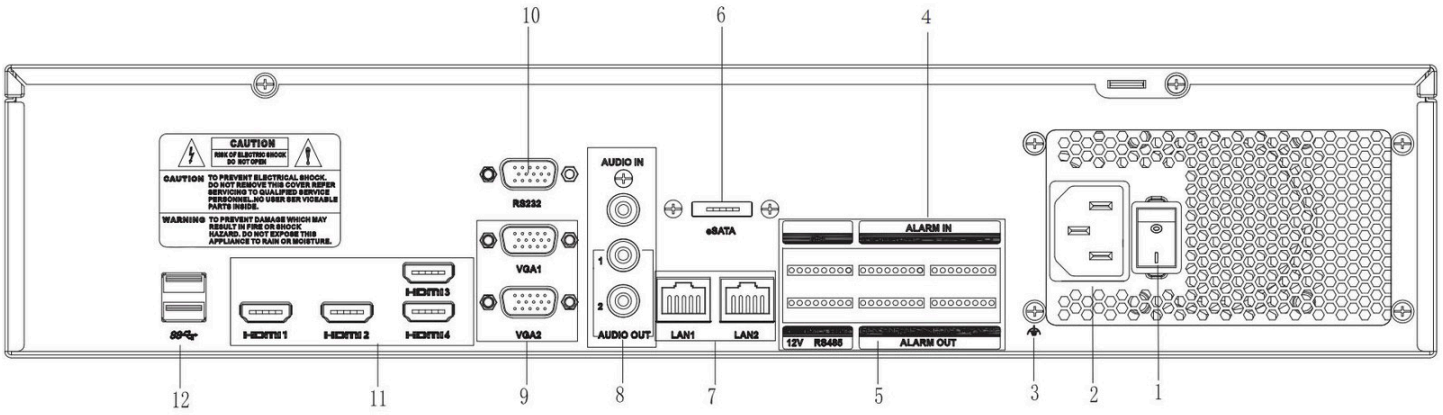
Synchronous Playback	16-ch 1080P @ 30fps / 16-ch 4MP @ 30fps / 8-ch 8MP @ 30fps / 5-ch 12MP @ 30fps
Playback Mode	Smart Playback / Normal / Time Division / Label / Event / Picture Playback
Backup Mode	USB Device / Network / eSATA
Smart Features	
Smart Detection (by Camera)	Area Intrusion, Line Crossing, 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, SMD, PP
Smart Playback	Face Detection / Line Crossing / Area Intrusion / Motion Detection
Cloud Storage	Supported
Cloud Upgrade	Supported
Network	
Incoming Bandwidth	1024 Mbps (without RAID) / 512 Mbps (RAID)
Outgoing Bandwidth	800 Mbps (without RAID) / 400 Mbps (RAID)
Ethernet	2 × 2.5GE self-adaptive Ethernet interfaces
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	8 SATA interfaces
Capacity	Up to 22 TB per HDD
RAID	RAID 0, 1, 5, 10; N+1 Hot Spare
External Interface	
USB Interface	Front panel: 2 × USB 2.0 | Rear panel: 2 × USB 3.0
eSATA	1 × eSATA
RS-485	1-ch
RS-232	1-ch
12V Output	1-ch
Alarm Input	16-ch
Alarm Output	8-ch
General	
Power Supply	AC 100V to 240V
Power Consumption	≤ 20W (without HDD)

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TECHNICAL SPECIFICATIONS

Operating Conditions	-10°C to +55°C (14°F to 131°F), 10% to 90% RH
Dimensions (W × D × H)	440 × 452 × 90 mm (17.32" × 17.79" × 3.54")
Weight	8 kg (17.63 lb)

Rear Panel



No.	Description	No.	Description
1	Power Switch	**7**	Network Port
2	Power Input	**8**	Audio IN/OUT RCA
3	Ground	**9**	VGA Port
4	Alarm Input	**10**	RS232 Port
5	Alarm Out	**11**	HDMI Port
6	eSATA Port	**12**	USB Port

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