

# LEGEND<sup>NX</sup>

## LGNX644KN

### 64 CHANNEL 4K NVR

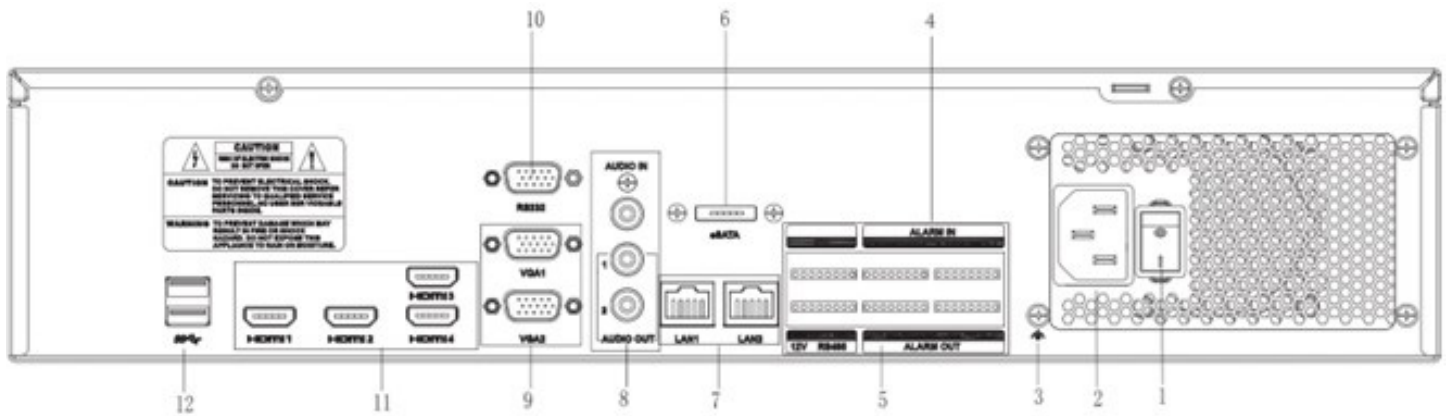
- 64-Channels IP Video input, up to 12MP
- AI Camera : SMD, perimeter protection, face detection
- Incoming & Outgoing bandwidth : 256Mbps
- Supports ONVIF & RTSP protocols
- Asynchronous HDMI 1/ HDMI 2 outputs up to 4K
- H.265+/H.265
- Rack mountable; mounting ears included



### In short

This 64-channels IP video recorder supports up to 12MP resolution with H.265+/H.265 compression, offering 256Mbps bandwidth for smooth video streaming. It features advanced AI functions like SMD, perimeter protection, and face detection, along with asynchronous 4K HDMI outputs and compatibility with ONVIF and RTSP protocols.

## Rear Panel



Part	Name	Part	Name
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 Output	11	HDMI Port
6	eSata Port	12	USB Port

\*Designs and specifications are subjects to change without notice.

## Technical Specifications

Video and Audio Input					
IP Video Input	64-Channels				
Audio Input	1-Channel, RCA				
Video and Audio Output					
HDMI	HDMI 1: 7680 × 4320/30Hz, 3840 × 2160/30Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz				
	HDMI 2: 3840 × 2160/30Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz				
	HDMI 3 : 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz				
	HDMI 4 : 3840 × 2160/30Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz				
VGA	VGA 1 & 2 : 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz				
Audio Output	2-Channels, RCA				
Video Output	2-Channels VGA, 4-Channels HDMI video Output				
	<table border="1"> <tr> <td>Simultaneous</td> <td>Max resolution HDMI1: 8K HDMI 2 &amp; 4: 4K VGA 1 &amp; 2 &amp; HDMI3: 1080p</td> </tr> <tr> <td>Independent</td> <td>Simultaneous video source output for VGA1 and HDMI4 Simultaneous video source output for VGA2 and HDMI2 Max Resolution HDMI1, 2 &amp; 4: 4k HDMI3, VGA 1&amp;2: 1080P</td> </tr> </table>	Simultaneous	Max resolution HDMI1: 8K HDMI 2 & 4: 4K VGA 1 & 2 & HDMI3: 1080p	Independent	Simultaneous video source output for VGA1 and HDMI4 Simultaneous video source output for VGA2 and HDMI2 Max Resolution HDMI1, 2 & 4: 4k HDMI3, VGA 1&2: 1080P
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Screen Split	Main Screen : 1, 4, 8, 9, 16, 25, 36, 64 screen split				
	Second Screen : 1, 4, 8, 9, 16, 25, 36 screen split				
Recording					
Compression	H.265+ / H.265 / H.264+ / H.264				
Resolution	12MP / 8MP / 5MP / 4MP / 3MP / 1080P / 720P / D1 / CIF / QCIF				
Playback and Backup					
Playback Resolution	12MP / 8MP / 5MP / 4MP / 3MP / 1080P / 720P / D1 / CIF / QCIF				
Decoding	<table border="1"> <tr> <td>H.265</td> <td>32-Channels @ 1080P 30fps 16-Channels @ 4MP 30fps 8-Channels @ 8MP 30fps 4-Channels @ 16MP 30fps 2-Channels @ 32MP 30fps</td> </tr> <tr> <td>H.264</td> <td>16-Channels 1080P @ 30fps 8-Channels 4MP @ 30fps 4-Channels 8MP @ 30fps 2-Channels 16MP @ 30fps 1-Channel 32MP @ 30fps</td> </tr> </table>	H.265	32-Channels @ 1080P 30fps 16-Channels @ 4MP 30fps 8-Channels @ 8MP 30fps 4-Channels @ 16MP 30fps 2-Channels @ 32MP 30fps	H.264	16-Channels 1080P @ 30fps 8-Channels 4MP @ 30fps 4-Channels 8MP @ 30fps 2-Channels 16MP @ 30fps 1-Channel 32MP @ 30fps
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H.264	16-Channels 1080P @ 30fps 8-Channels 4MP @ 30fps 4-Channels 8MP @ 30fps 2-Channels 16MP @ 30fps 1-Channel 32MP @ 30fps				
Synchronous Playback	16-ch 1080P @ 30fps / 16-ch 4Mp @ 30fps / 8-ch 8Mp @ 30fps / 5-ch 12Mp @ 30fps				
Backup Mode	USB Device / Network / eSATA				

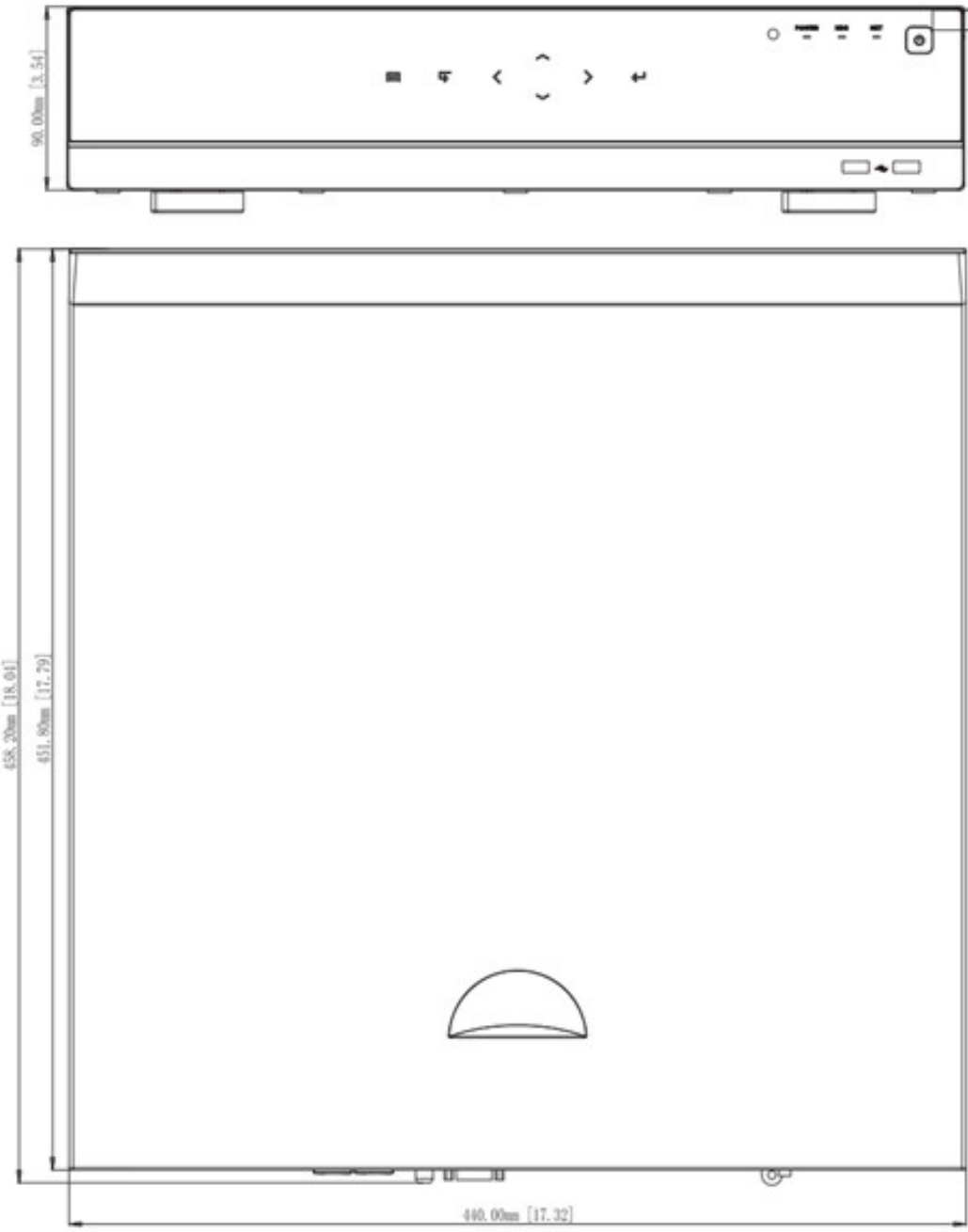
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## Technical Specifications

Playback Mode	<b>Smart Playback:</b> Enhanced playback with advanced search features, such as motion or object detection for faster review
	<b>Normal Playback:</b> Standard, continuous playback of recorded footage
	<b>Segmented Playback:</b> Splits recorded footage into time segments for easier navigation
	<b>Tagged Playback:</b> Allows playback of video segments that have been labeled or tagged for easy access
	<b>Event Playback:</b> Focuses playback on recorded events like motion detection or alarms
	<b>Picture Playback:</b> View recorded footage in still image format for detailed inspection
<b>External Interface</b>	
USB Interface	Front panel: 2 × USB 2.0, Rear panel: 2 × USB 3.0
eSATA	1 × eSATA
RS485, RS232, 12V Out	1-Channel each
Alarm In	16-Channels
Alarm Out	8-Channels
<b>Advanced Features</b>	
Smart Detection (AI on Camera)	Advanced detection capabilities include Area Intrusion, Line Crossing, Region Entry/Exit, Rapid Movement, Object Removal, Unattended Object, Loitering, Parking, Face Detection, Crowd Gathering Detection, Blur Detection, Scene Change Detection, Audio Anomaly Detection, Human and Vehicle Detection, Smart Motion Detection (SMD), and Perimeter Protection (PP)
Smart Playback	Face detection / Line Crossing / Area Intrusion / Motion Detection / Human Detection / Vehicle Detection
Cloud Storage	Supported
Cloud Upgrade	Supported
<b>Network</b>	
Incoming Bandwidth	1024Mbps (without raid) /512Mbps (raid)
Outgoing Bandwidth	800Mbps (without raid) /400Mbps (raid)
Ethernet	2 x 2.5GE self-adaptive Ethernet interface
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)
<b>Hard Disk</b>	
SATA	8 SATA Interfaces
Capacity	Up to 22TB capacity for each HDD
<b>General</b>	
Power Supply	AC 100 ~ 240V
Power Consumption	≤20W (without HDD and POE)
Working Environment	-10°C ~ +55°C (14°F ~ 131°F)/10% ~ 90%RH
Dimension (W×D×H)	440 × 452 × 90 mm (17.32" × 17.79" × 3.54")
Weight	17.63 lb / 8 Kg

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# Dimensions



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