# LEGENDNX

## LGNX644KN
### 64-Channel 4K NVR



**NDAA Compliant**
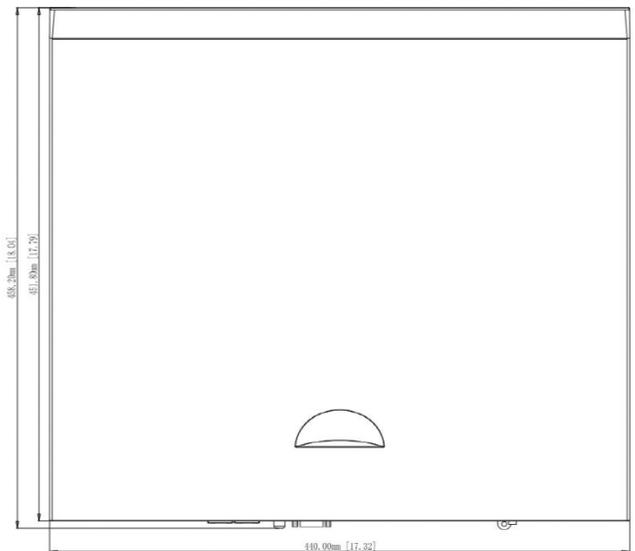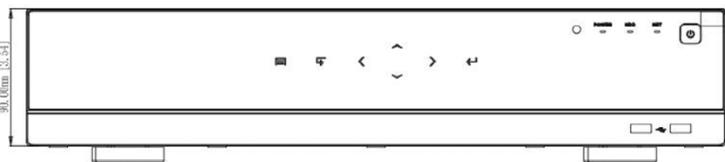
- *64-channel IP video input, up to 12 MP*

- *Video compression: H.265+/H.265/H.264+/H.264*

- *Incoming / outgoing bandwidth: 1024 Mbps / 800 Mbps (without RAID)*

- *RAID 0 / 1 / 5 / 10*

- *4 HDMI outputs + 2 VGA outputs*

- *Up to 8 SATA interfaces (up to 22TB per HDD)*

- *Camera-based intelligent functions (human/vehicle detection, perimeter protection, face recognition, etc.)*

## Dimensions



90.00mm [3.54]

618.20mm [18.06]
451.80mm [17.79]

440.00mm [17.32]

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## LGNX644KN - 64-Channel 4K NVR

### Video & Audio Input

**IP Video Input**
64-ch

**Audio Input**
1-ch, RCA

### Video & Audio Output

**Video Output Mode**
2 VGA + 4 HDMI (simultaneous and heterologous supported)

**HDMI 1**
7680 × 4320 / 30 Hz, 3840 × 2160 / 30 Hz, 1920 × 1080 / 60 Hz,
1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz

**HDMI 2**
3840 × 2160 / 30 Hz, 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz,
1280 × 720 / 60 Hz

**HDMI 3**
1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz

**HDMI 4**
3840 × 2160 / 30 Hz, 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz,
1280 × 720 / 60 Hz

**VGA 1**
1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz

**VGA 2**
1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz

**Audio Output**
2-ch, RCA

**Main Screen (split)**
1 / 4 / 8 / 9 / 16 / 25 / 36 / 64

**Secondary Screen (split)**
1 / 4 / 8 / 9 / 16 / 25 / 36

### 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 | H.264 |
|---|---|
| 32-ch @ 1080P / 30 fps | 16-ch @ 1080P / 30 fps |
| 16-ch @ 4MP / 30 fps | 8-ch @ 4MP / 30 fps |
| 8-ch @ 8MP / 30 fps | 4-ch @ 8MP / 30 fps |
| 4-ch @ 16MP / 30 fps | 2-ch @ 16MP / 30 fps |
| 2-ch @ 32MP / 30 fps | 1-ch @ 32MP / 30 fps |

**Synchronous Playback**
16-ch 1080P @ 30 fps / 16-ch 4MP @ 30 fps / 8-ch 8MP @ 30 fps
/ 5-ch 12MP @ 30 fps

**Playback Mode**
Smart Playback / Normal / Time Division / Label / Event / Picture

**Backup Mode**
USB / Network / eSATA

### 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, SMD, Perimeter Protection

**Smart Playback**
Face Detection / Line Crossing / Area Intrusion /
Motion Detection

**Cloud Storage**
Supported

**Cloud Upgrade**
Supported

**RAID**
0 / 1 / 5 / 10

**Redundancy**
N+1 Hot Spare

**Automatic Network Replenishment**
Supported

**Unify your security solution | www.inaxsys.com | sales@inaxsys.com**

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## LGNX644KN - 64-Channel 4K NVR

## 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 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)

## Hard Disk

**SATA**
8 × SATA interfaces

**Capacity**
Up to 22 TB capacity for each HDD

## External Interface

**USB Interface**
Front panel: 2 × USB 2.0
Rear panel: 2 × USB 3.0

**eSATA**
1 x eSATA

**RS-485 / RS-232**
1 / 1

**12V Output**
1

**Alarm Input / Output**
16-ch / 8-ch

## General

**Power Supply**
AC 100 ~ 240 V

**Power Consumption**
≤ 20 W (without HDD)

**Working Environment**
-10 °C TB +55 °C / 10 % TB 90 % RH

**Dimension (W × D × H)**
440 × 452 × 90 mm

**Weight**
8 kg

## Ordering Informations

**LGNX644KN16T - 16 TB**
**LGNX644KN20T - 20 TB**
**LGNX644KN24T - 24 TB**
**LGNX644KN28T - 28 TB**
**LGNX644KN32T - 32 TB**
**LGNX644KN36T - 36 TB**
**LGNX644KN40T - 40 TB**
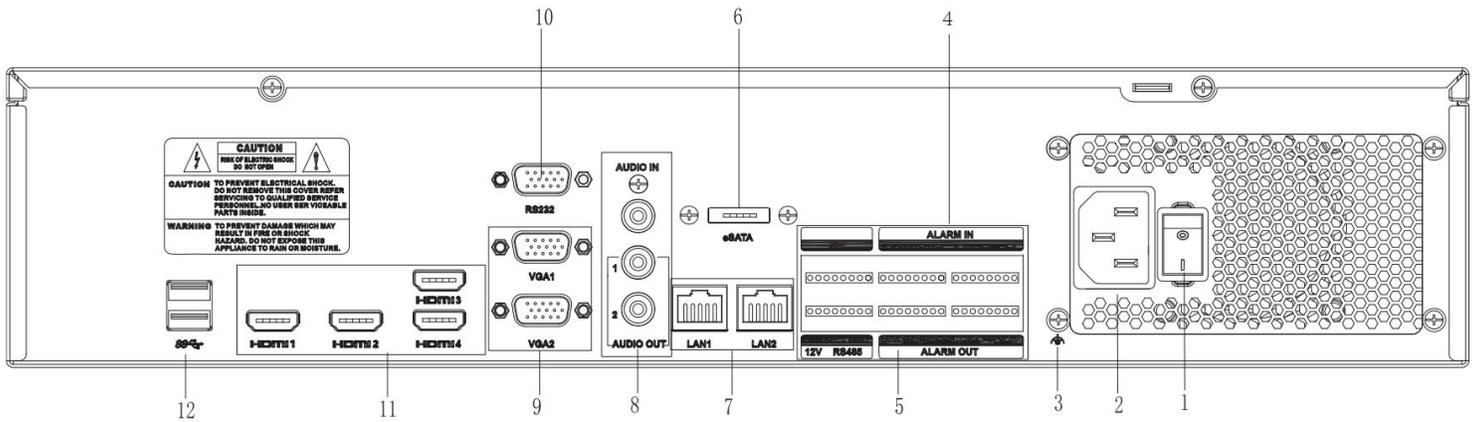**LGNX644KN44T - 44 TB**
**LGNX644KN48T - 48 TB**
**LGNX644KN52T - 52 TB**
**LGNX644KN56T - 56 TB**
**LGNX644KN60T - 60 TB**
**LGNX644KN70T - 70 TB**
**LGNX644KN80T - 80 TB**

# Rear Panel



| Part | Name | Part | Name |
|------|------|------|------|
| **1** | Power Switch | **7** | Network Port |
| **2** | Power Input | **8** | Audio Input/Ouput RCA |
| **3** | Ground | **9** | VGA Port |
| **4** | Alarm Input | **10** | RS232 Port |
| **5** | Alarm Output | **11** | HDMI Port |
| **6** | eSATA Port | **12** | USB Port |