

# LOREX<sup>®</sup>

## 4K ULTRA HD NETWORK VIDEO RECORDER



## WELCOME THE FUTURE OF HIGH DEFINITION VIDEO RECORDING

View your world in more detail than ever with real-time 4K HD recording for 4× the detail of 1080p. 4K video output lets you view multiple HD channels in full resolution on a 4K TV. The NVR's Power over Ethernet ports make setup quick and easy, with one cable installation per camera that provides both power and HD video.



8/16/32 Channels 2-8TB HDD 4K Support 8/16 PoE Port

LNK7000 Series NVRs

[www.lorextechnology.com](http://www.lorextechnology.com)



# 4K ULTRA HD NETWORK VIDEO RECORDER

## FEATURES:

- Recording up to 8MP (Ultra HD 4K) on all channels – 4× the detail of 1080p <sup>1</sup>
- 8/16 PoE (Power over Ethernet) ports provide video and power over a single Ethernet cable
- FLIR Secure™ or Lorex Secure™ app with 3-Step setup <sup>2</sup> connects all your cameras and systems from any iOS or Android smartphone and tablet <sup>2</sup>
- PC and Mac compatible video management software gives you complete control over your security system from anywhere
- 24/7 security-grade pre-installed hard drive <sup>3</sup>
- Expandable high capacity storage 8 ch max 6TB, 16/32ch max 12TB
- Automatically detects compatible IP cameras <sup>4</sup>
- 4K video output – view up to 4 HD channels simultaneously in full resolution on a 4K TV
- H.265 video compression and multi-streaming offers reduced file size and network strain for remote viewing and up to 50% savings on hard drive storage <sup>3</sup>
- 16/32 channel supports mirror hard drive recording. Secure your recordings by backing up footage to an internal hard drive at the same time as recording to the primary hard drive <sup>5</sup>
- Pentaplex Operation – view, record, playback, back up & remotely control the system simultaneously
- Click-and-drag digital zoom in live view and playback <sup>6</sup>
- Convenient front panel button controls
- Accurate time stamps with NTP & daylight savings time
- Instant backup of live video to a USB flash drive
- Dual video outputs (HDMI and VGA) to connect multiple monitors
- HDMI cable included for simple connection to HD & 4K TVs
- Automatic firmware upgrade over the Internet ensures your system is secure and up-to-date <sup>7</sup>
- Push notifications of motion events
- Instant email alerts with snapshot attachment
- Multi-streaming to conserve bandwidth
- Continuous, scheduled, and motion recording
- Add up to 16 additional cameras to the 32ch NVR with the PoE Switch (ACCDPS262B)



## USE ONE APP TO WATCH IT ALL

Get set up in an instant and stay connected with the FLIR Secure™ or Lorex Secure™ app. Enjoy remote live viewing, review videos, and get important motion and sound alerts on-the-go. The app connects all your cameras and systems from any iOS or Android smartphone or tablet.

### SYSTEM

Operating System	Linux (embedded)
Pentaplex	Simultaneous View, Record, Playback, Backup & Remote Monitoring
Number of Channels	8/16/32 Channels

### Inputs/Outputs

Video IN	8ch: 8 PoE Video Input 16/32ch: 16 PoE Video Input
VGA	Yes
HDMI	Yes
Audio IN	No - Service jack only
Audio OUT	1 Line OUT (RCA)
USB Port	8ch: 1 at the back, 1 at the front 16/32ch: 2 at the back (1x USB2.0, 1x USB3.0), 1 at the front
Alarm IN / OUT	8ch: 4 IN / 1 OUT 16/32ch: 16 IN / 1 OUT

Video Output Resolution	3810x2160, 2560x1440, 1920x1200, 1600x1200, 1680x1050, 1920x1080, 1440x900, 1280x1024, 1280x720, 1024x768
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PTZ control	Yes
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### Display

Display Split	8ch: 1/4/9 16ch: 1/4/8/9/16 32ch: 1/4/8/9/16/32
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Live Display Speed	RealTime (30fps — camera dependent)
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OSD	ON/OFF
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System Navigation	USB Mouse, IR Remote Control
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Motion Area Setting	Fixed grid 1320 (44x30)
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Sensitivity Levels	8
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Firmware Upgrade	Automatic over the Internet & via USB device
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User Authority	By user group
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Time Synchronization	Automatic time sync by NTP server
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### Recording

Video Compression	H.265 / H.264
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Audio Compression	G.711
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Resolution	8MP (4K) ~ 720p
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Record Rate	Real-time (30fps — camera dependent)
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Recording Resolution Setting	Per camera for different resolutions
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Recording Quality Control	6 Levels
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Recording Schedule	By hour, by day, by recording mode, by motion, by alarm, by channel
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Pre Recording	2 Seconds
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Post Recording	Minimum 30 sec; maximum 5 min
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Reliability	Watch-Dog, auto-recovery after power failure
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Covert Video	Yes
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### Playback

Playback Channel	8ch: 1/4/8 16/32ch: 1/4/9/16
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Playback Speed	Variable Max 16x
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Playback Players	Backup Player
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Search	By time/date, motion detection & exact search (accurate to the second)
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Log Search	Up to 4,000 lines for system configuration changes, motion/alarm detected, account, recording & storage.
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Audio Play	Yes (audio camera required)
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### Storage & Archive

Storage	8ch: Up to 1 HDD (SATA) 16/32ch: Up to 2 HDDs (SATA)
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Maximum Capacity	8ch: Up to 1x6TB 16/32ch: Up to 2x6TB
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Backup Media	USB flash drive, HDD and network
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Backup File Format	H.265, H.264 or MP4 file
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### Connectivity

Cloud Connection	FLIR Secure® or Lorex Secure® app with FLIR Cloud™ Connectivity
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Supported Operating Systems	Windows™ / Mac OS X
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Remote Software	Web Client Software (PC & Mac)
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Email Notification	Text with snapshot
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Instant Smart Phone & Tablet	Android™, iPad®, iPhone®
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DDNS	Free Lorex DDNS
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System Configuration	Full setup configuration over network
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Ports	Programmable by User
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Network Protocol	HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP
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Network Interface	10/100/1000M, RJ-45
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Network Bit Rate	8ch: Maximum 100Mbps total 16/32ch: Maximum 320Mbps total
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### General

Power Consumption	8ch: Approx. 4.5W (no HDD installed) 16ch: Approx. 20.5W (no HDD installed) 32ch: Approx. 24W (no HDD installed)
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Supply Voltage	8ch: 48V, 2A 16/32ch: 100VAC-240VAC
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Total PoE Power Output	8ch: 80W (Max 30W per channel) 16/32ch: 130W (Max 30W per channel)
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Unit Dimensions (W x H x D)	8ch: 11.8 x 8.9 x 2.1" / 300 x 227 x 53mm (1U) 16/32ch: 15.0 x 12.2 x 2.0" / 380 x 310 x 50mm (1.5U)
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Unit Weight (lbs / kg)	8ch: 2.4lbs / 1.1kg 16/32ch: 5.7lbs / 2.6kg
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Operating Temperature	14° ~ 131°F / -10° ~ 55°C
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Humidity	10 ~ 90% RH
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### RECORDING RESOLUTION (PIXELS) & MAXIMUM SPEED (FPS - FRAMES PER SECOND)

		720p	1080p	3MP	SUPER HD 4MP	4K
		1280x720	1920x1080	2048x1536	2688x1520	3840x2160
8ch	Total	240/200	240	240	240	240
	Per channel	30/25	30	30	30	30
16ch	Total	480/400	480	480	480	480
	Per channel	30/25	30	30	30	30
32ch	Total	960/800	960	960	960	960
	Per channel	30/25	30	30	30	30

### NVR Inputs & Outputs

16/32 Channel



8 Channel



### Dimensions:

16/32 Channel



8 Channel



### Product Information:

MODEL	CONFIGURATION	PACKAGE	W x D x H Inches & millimeters	WEIGHT	CUBE	UPC Code
LNK71082T	8-Channel 4K HD NVR with 2TB HDD	Brown Box	16.7 × 3.9 × 10.5" 424 × 99 × 266mm	5.7lb / 2.5kg	0.3cbf / 0.008cbm	6-95529-01063-2
LNK72163T	16-Channel 4K HD NVR with 3TB HDD	Brown Box	18.9 × 3.7 × 14.5" 480 × 93 × 368mm	10lb / 4.5kg	0.5cbf / 0.01cbm	6-95529-01066-3
LNK72324T	32-Channel 4K HD NVR with 4TB HDD	Brown Box	18.9 × 3.7 × 14.5" 480 × 93 × 368mm	10.5lb / 4.7kg	0.5cbf / 0.01cbm	6-95529-01083-0
LNK72328T	32-Channel 4K HD NVR with 8TB HDD	Brown Box	18.9 × 3.7 × 14.5" 480 × 93 × 368mm	10.5lb / 4.7kg	0.5cbf / 0.01cbm	6-95529-01171-4
LNK72163TP	16-Channel 4K HD NVR with 3TB HDD	Brown Box	18.9 × 3.7 × 14.5" 480 × 93 × 368mm	10lb / 4.5kg	0.5cbf / 0.01cbm	6-95529-01267-4
LNK72324TP	32-Channel 4K HD NVR with 4TB HDD	Brown Box	18.9 × 3.7 × 14.5" 480 × 93 × 368mm	10.5lb / 4.7kg	0.5cbf / 0.01cbm	6-95529-01268-1
LNK71082TP	8-Channel 4K HD NVR with 2TB HDD	Brown Box	16.7 × 3.9 × 10.5" 424 × 99 × 266mm	5.7lb / 2.5kg	0.3cbf / 0.008cbm	6-95529-01269-8

Includes: 4K HD NVR with pre-installed HDD, 1× HDMI Cable, 1× Ethernet Cable, 1× Power Cable, 1× Mouse, 1× Remote Control, Quick Setup Guides

### Disclaimers:

1. 8MP/4K IP cameras are required to take advantage of 4K recording.
2. Requires a high speed internet connection and a router (not included). A minimum upload speed of 3.5Mbps is required for the best video performance. Up to 3 viewing devices may connect to the system at the same time. For the latest list of supported apps and devices, please visit [www.lorextechnology.com/support](http://www.lorextechnology.com/support)
3. Recording time may vary based on recording resolution & quality, lighting conditions and movement in the scene.
4. Compatible with Lorex LKB/LKE series PoE HD IP cameras only. For a list of compatible cameras, please visit [www.lorextechnology.com/compatibility](http://www.lorextechnology.com/compatibility)
5. Mirror recording requires a second hard drive (not included) to be installed in the NVR. Mirrored hard drive must be as large or larger than the primary hard drive to backup all recordings. Backup begins from when the mirrored hard drive is installed and configured.
6. Supports multiple Lorex IP Pan-Tilt-Zoom (PTZ) cameras (sold separately - visit [www.lorextechnology.com/compatibility](http://www.lorextechnology.com/compatibility))
7. Both firmware and software must be updated to latest version to ensure remote connectivity. Firmware updates are pushed to the NVR automatically over the Internet (available at [www.lorextechnology.com](http://www.lorextechnology.com)). Always update to the latest software after upgrading the NVR firmware.

**Lorex Corporation**, a division of FLIR Commercial Systems Inc.

250 Royal Crest Court  
Markham, Ontario,  
Canada L3R 3S1

7055 Troy Hill Drive  
Elkridge, Maryland  
21075 USA

[www.lorextechnology.com](http://www.lorextechnology.com)

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