LOREX® NETWORK VIDEO SURVEILLANCE RECORDER

VIEW YOUR WORLD IN FULL HD

Amazing high definition 1080p (1920 x 1080) picture quality day or night. Convenient one cable installation between camera and recorder. Free FLIR Cloud™ smartphone and tablet apps keep you connected to what matters most.

FLIR Cloud™

Available on the App Store

GET IT ON Google play

Windows

Mac

8/16 Channels 2-3TB HDD 1080P

NETWORK VIDEO SURVEILLANCE RECORDER

FEATURES:

- Full high definition 1080p recording
- Real-time recording at 30fps per channel
- 8 built in PoE (Power over Ethernet) ports providing video and power on a single Ethernet cable
- Automatically detects compatible IP cameras in the network [1]
- 24/7 security-grade hard drive [2]
- H.264 video compression [2]
- Expandable high capacity storage up to 8TB (max 2x4TB HDD)
- 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 [3]
- Pentaplex operation - view, record, playback, backup & remotely control the system simultaneously
- Simultaneous playback and live view on the same screen [4]
- Selectable area digital zoom in live view and playback
- Dynamic click-and-drag camera channel assignment
- Flip and mirror camera view settings
- Convenient front panel button controls
- Accurate time stamps with NTP & daylight savings time
- Instant USB backup of live video from selected camera
- 2 video outputs (HDMI & VGA) to connect multiple monitors
- HDMI cable included for simple connection to HD TVs
- Keep up to date with automatic firmware upgrades [5]
- 3-step remote view with FLIR Cloud™ [6]
- PC and Mac compatible [7]
- Free iOS and Android compatible apps with live viewing, playback, video recording, and snap shot [7]
- Dedicated iPad app with multi-channel live viewing and playback [7]
- Push notifications of motion events
- Instant email alerts with snap shot attachment
- Dual streaming to conserve bandwidth
- Continuous, scheduled and motion recording

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NETWORK VIDEO SURVEILLANCE RECORDER
Specifications

SYSTEM	
Operating System	Linux (embedded)
Pentaplex	Simultaneous View, Record, Playback, Backup & Remote Monitoring
Number of Channels	**8/16 ch**
Inputs/Outputs	
Video IN	8/16 ch: 8 PoE Video Input
Video OUT	No
VGA OUT	Yes
HDMI	Yes
Audio IN	1 Line IN (RCA) for service only
Audio OUT	1 Line OUT (RCA) for service only
USB Port	1 at the back, 1 at the front
Alarm IN	8 Alarm IN
Alarm OUT	3 Alarm OUT
Video Output Resolution	1920x1080, 1280x1024, 1280x720, 1024x768
PTZ control	Lorex IP PTZ cameras only
Display	
Display split	**8 ch:** 1, 4, 8, 9 **16 ch:** 1, 4, 8, 9, 16
Live Display Speed	**8 ch:** 240FPS NTSC, 200 PAL **16 ch:** 480FPS NTSC, 400 PAL
OSD	Camera Title, Time, Camera Lock, Motion Detection, Recording Status
System Navigation	USB mouse, IR remote control, front panel buttons
Motion Area Setting	Adjustable grid (22x18)
Sensitivity levels	100
Firmware Upgrade	Automatic over the Internet & via USB device and Network
User Authority	By user group
Time Synchronization	Auto time sync by NTP server
RECORDING	
Video Compression	H.264
Resolution	1080P (1920x1080) / 720P (1280x720)
Record Rate	NTSC 8 ch: 240FPS @ 1080p, 16 ch: 480FPS @ 1080p PAL 8 ch: 200FPS @ 1080p, 16 ch: 400FPS @ 1080p
Recording Resolution Setting	Per camera for different resolutions
Recording Quality Control	6 levels

RECORDING RESOLUTION (PIXELS) & SPEED (FPS - FRAMES PER SECOND)

		720p	1080p
		1280 x 720	1920 x 1080
8ch	*Total*	240	240
	Per channel	30	30
16ch	*Total*	480	480
	Per channel	30	30

Recording Schedule	By hour, by day, by recording mode, by motion, by channel
Pre Recording	Max. 30 Secs
Post Recording	Max. 5 Minutes
Reliability	Watch-Dog, auto-recovery after power failure
Covert Video	Yes
PLAYBACK	
Playback Channel	**8 ch:** 1/4/9 **16 ch:** 1/4/9/16
Playback Speed	Variable Max 16x
Playback Players	Backup Player
Search	By time & event
Log Search	Up to 1,000 lines for motion detected, configuration changes, connects/disconnects and video loss
Audio Play	Yes (audio camera required)
STORAGE & ARCHIVE	
Storage	**8/16ch:** Up to 2 HDD's (SATA)
Maximum Capacity	**8/16 ch:** up to 2 x 4TB
Backup Media	USB Flash Drive & HDD
Backup File Format	DAV or ASF file
CONNECTIVITY	
Cloud Connection	Flir Cloud™
Supported Operating Systems	**Windows**™ **Mac** OS X
Remote Software	Client Software (PC/Mac)
Email notification	Text with snapshot
Instant Smart Phone & Tablet Support †	iPad®, iPhone®, Android™
DDNS	Free Lorex DDNS
System Configuration	Full setup configuration over network
Ports	Programmable by User
Network Protocol	HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter
Network Interface	10/100-/1000 Mbps, RJ-45
Network Bit Rate	256Mbs total, 48~8192kbps per camera
GENERAL	
Power Consumption	Approx. 20 watts (no HDD included)
Supply Voltage	100VAC-240VAC, 50/60Hz
Total PoE Power Output (across all channels)	120W (Max 25W per Camera)
Unit Dimensions (W x D x H)	375mm x 285mm x 50mm / 14.7" x 11.2" x 2.0"
Unit Weight (KGs)	2.3kg / 5.1lbs
Operating temperature	14° ~ 131° F / –10° ~ 55° C
Humidity	10 ~ 90% RH

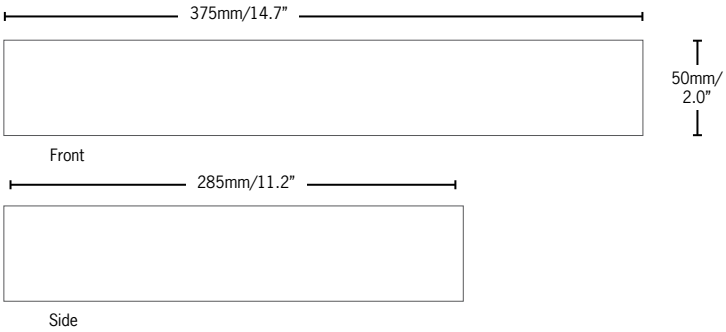
NETWORK VIDEO SURVEILLANCE RECORDER
Product Information

NVR Inputs & Outputs

8/16 Channel NVR

Dimensions:

8/16 Channel NVR



Product Information:

MODEL	CONFIGURATION	PACKAGE	W x D x H Inches & mm	WEIGHT	CUBE	UPC Code
LNR4082	8 ch NVR with 2TB HDD	Brown Box	449mm x 167mm x 419mm / 17.72 x 6.69 x 16.54"	4.6kg/10.2lbs	0.03cbm / 1.1cbf	6-95529-00146-3
LNR4163	16 ch NVR with 3TB HDD	Brown Box	449mm x 167mm x 419mm / 17.72 x 6.69 x 16.54"	4.6kg/10.2lbs	0.03cbm / 1.1cbf	6-95529-00148-7
Includes	NVR with Pre-Installed HDD, HDMI Cable, Remote Control, Power adapter, Mouse, Ethernet Cable, Quick Start Guides.					

Disclaimers:

1. Compatible with Lorex 1080p wired PoE HD cameras only. For a list of compatible cameras, please visit lorextechnology.com/support
2. Recording time may vary based on recording resolution & quality, lighting conditions and movement in the scene.
3. 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.
4. Instant playback feature available on one camera at a time during live view (when in quad or multiple live camera viewing mode).
5. The NVR firmware and software must be upgraded to the latest version to use the FLIR Cloud™ service. When the system is connected to the Internet, it will automatically alert you if there is a firmware upgrade available.
6. Requires a high speed internet connection and a router (not included). A minimum upload speed of 1Mbps is required for the best video performance. Up to 3 devices may connect to the system at the same time.
7. For the latest list of supported apps and devices, please visit www.lorextechnology.com/support

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