

LOREX[®]

4K ULTRA HD NETWORK VIDEO RECORDER



WELCOME THE FUTURE OF HIGH DEFINITION VIDEO RECORDING

View your world in more detail than ever with 4K HD recording for 4× the detail of 1080p. 4K video output lets you view live and recorded video 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.



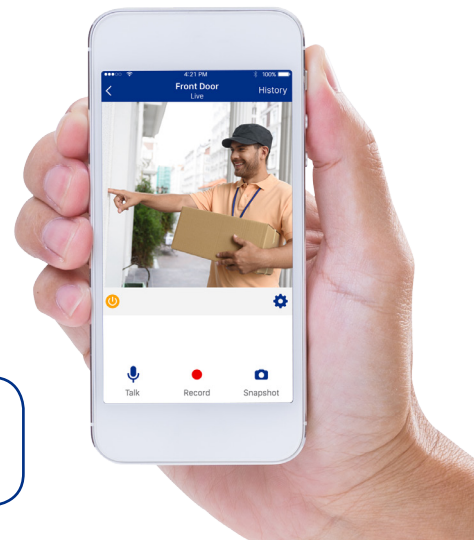
FLIR Cloud™



Windows



4/8 Channels 1/2TB_{HDD} 4K_{Support} 4/8 PoE Ports



NR810 Series NVRs

www.lorextechnology.com

FEATURES:

- Supports real-time recording up to 8MP on all channels – 4× the detail of 1080p @ up to 25/30fps
- Supports industry-leading 4K recording ¹
- 4/8 built in PoE (Power over Ethernet) ports providing video and power over a single Ethernet cable
- FLIR Cloud™ app for live viewing, playback, video recording & snapshots (iPhone® / iPad® / Android™) ²
- PC and Mac compatible – FLIR Cloud™ video management software gives you complete control over your security system from anywhere ²
- 24/7 security-grade pre-installed hard drive ³
- Expandable high capacity storage up to 8TB
- Automatically detects compatible IP cameras in the network ⁴
- 4K video output – view multiple HD channels in full resolution on a 4K TV
- H.265 / H.264 video compression offers reduced file size, improved storage and network efficiency ³
- Pentaplex Operation – view, record, playback, back up & remotely control the system simultaneously
- Click-and-drag digital zoom in live view and playback
- Convenient front panel button controls
- Accurate time stamps with NTP & daylight savings time
- Instant backup of live video to a USB flash drive
- Automatic firmware upgrade over the Internet ensures your system is secure and up-to-date ⁵
- Push notifications of motion events
- Instant email alerts with snapshot attachment
- Multi-streaming to conserve bandwidth
- Continuous, scheduled, and motion recording
- Dual video outputs (HDMI and VGA) to connect multiple monitors

MOBILE VIEWING IN 3 EASY STEPS

STEP 1
INSTALL FREE APP

STEP 2
SCAN QR CODE

STEP 3
VIEW YOUR WORLD

FLIR Cloud™

CONNECTIVITY

Available on the App Store | GET IT ON Google play

Windows | Mac

SYSTEM

Operating System	Linux (embedded)
Pentaplex	View, Record, Playback, Backup & Remote Monitoring
Number of Channels	4/8 Channels

Inputs/Outputs

Video IN	4ch: 4 PoE Video Inputs 8ch: 8 PoE Video Inputs
BNC OUT	No
VGA OUT	Yes
HDMI OUT	Yes
Audio IN	1 Line IN (RCA) for service only
Audio OUT	1 Line OUT (RCA) for service only
USB Port	2 at the back
Alarm IN	None
Alarm OUT	None
Video Output Resolution	3840x2160, 1920x1080, 1280x1024, 1280x720, 1024x768
PTZ control	Lorex IP PTZ cameras only

Display

	4ch: 1/4 8ch: 1/4/8
Live Display Speed	4ch: 120fps NTSC/100fps PAL 8ch: 240fps NTSC / 200fps PAL
OSD	ON/OFF
System Navigation	USB Mouse, IR Remote Control, Front Panel Buttons
Motion Area Setting	Fixed Grid (22x18)
Sensitivity Levels	100
Firmware Upgrade	Automatic over the Internet & via USB device and network
User Authority	By user group
Time Synchronization	Automatic time sync by NTP server

RECORDING

Video Compression	H.264 / H.265
Audio Compression	G.711
Resolution	4K (MP) ~ 720p (1MP); 4MP (2560x1440); 3MP (2048x1536; 1080p (1920x1080); 720p (1280x720)
Record Rate	4 ch: up to 120fps @ 720p/1080p/3MP/4MP/8MP 8 ch: up to 240fps @ 720p/1080p/3MP/4MP/8MP
Recording Resolution Setting	Per camera for different resolutions
Recording Quality Control	6 Levels
Recording Schedule	By hour, by day, by recording mode, by motion, by alarm, by channel
Pre Recording	Max. 4 Secs

PLAYBACK

Playback Channel	1/4/8
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	Up to 1 HDDs (SATA)
Maximum Capacity	Up to 1x8TB
Backup Media	USB Flash Drive & HDD
Backup File Format	DAV, ASF, H.265, H.264, MP4

CONNECTIVITY

Cloud Connection	FUR Cloud™
Supported Operating Systems	Windows™ / Mac OS X
Remote Software	Client Software (PC & Mac)
Email Notification	Text with snapshot
Instant Smart Phone & Tablet	Android™, iPad®, iPhone®
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	10/100Base-TX, RJ-45
Network Bit Rate	80Mbps total, 48~8192kbps per camera

GENERAL

Power Consumption	4 ch: Approx. 10 watts (No HDD Installed) 8 ch: Approx. 12 watts (No HDD Installed)
Supply Voltage	4 ch: 100VAC-240VAC, 48V DC, 1.5A, 50/60Hz 8 ch: 100VAC-240VAC, 48V DC, 2A, 50/60Hz
Total PoE Power Output	4 ch: 50W (Max 25W per Camera) 8 ch: 120W (Max 25W per Camera)
Unit Dimensions (W x D x H)	4 ch: 8.1 x 1.8 x 8.1" (205 x 45 x 205) 8 ch: 12.8 x 10.1 x 2.2" (325 x 255 x 55mm)
Unit Weight	4 ch: 1.5lbs / 0.7kg 8 ch: 3lbs / 1.4kg
Operating Temperature	14° ~ 131°F / -10° ~ 55°C
Humidity	10 ~ 90% RH

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

		720p	1080p	3MP	SUPER HD 4MP	4K
		1280x720	1920x1080	2048x1536	2688x1520	3840x2160
4ch	Total	120	120	120	120	120
	Per channel	30	30	30	30	30
8ch	Total	240	240	240	240	240
	Per channel	30	30	30	30	30

NVR Inputs & Outputs

4 Channel



8 Channel



Dimensions:

4 Channel



8 Channel



Product Information:

MODEL	CONFIGURATION	PACKAGE	W x D x H Inches & millimeters	WEIGHT	CUBE	UPC Code
NR8141	4-Channel 4K HD NVR with 1TB HDD	Brown Box	14.2 x 10.2 x 3.7" / 361 x 259 x 94mm	4.3lbs / 1.95kg	1.3cbf / 0.04cbm	6-95529-01382-4
NR8182	8-Channel 4K HD NVR with 2TB HDD	Brown Box	16.7 x 10.2 x 3.7" / 426 x 259 x 94mm	5.5lbs / 2.5kg	1.3cbf / 0.04cbm	6-95529-01383-1

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

Disclaimers:

1. 8MP 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 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
3. Recording time may vary based on recording resolution & quality, lighting conditions and movement in the scene.
4. Compatible with Lorex LN Series IP cameras only. For a list of compatible cameras, please visit www.lorextechnology.com/compatibility
5. 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). Always update to the latest software after upgrading the NVR firmware.