



FULL HD NETWORK SECURITY CAMERA SYSTEM

HIGH DEFINITION PEACE OF MIND



FULL-HD SERIES

- 4/8 CHANNELS
- 4 CAMERAS
- 2 TB HDD
- 1080p RESOLUTION
- 150/100ft NIGHT VISION
- 4 OR 8 INTEGRATED PoE PORTS
- HDMI
- INDOOR/OUTDOOR

Remote Connectivity & Compatibility



- ▶ FULL 1080p HD VIEWING & RECORDING
- ▶ INTEGRATED POWER OVER ETHERNET (PoE)
- ▶ REAL-TIME HD 1080p RECORDING
- ▶ FREE REMOTE CONNECTIVITY
- ▶ HDMI & VGA OUTPUTS

VANTAGE

LNR200 SERIES



Full HD
1080

www.lorexttechnology.com



LOREX[®]
VIEW YOUR WORLD[®]

FULL HD NETWORK SECURITY CAMERA SYSTEM

EVIDENCE IS KEY, SEE IT ALL IN netHD

View your world like never before, security at its best with High Definition (1080p) video and amazing digital zoom.

VIEW FROM ANYWHERE IN THE WORLD

Dual streaming allows for bandwidth efficient streaming to your mobile devices while recording HD quality to the NVR.

SIMPLE PLUG & PLAY INSTALLATION

Using integrated power & data over Ethernet (PoE) cables saves space and time.

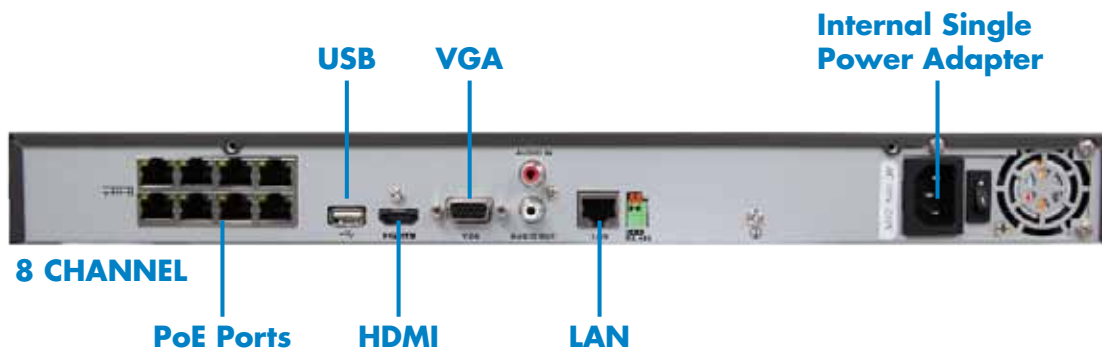
LARGE CAPACITY STORAGE

Capture and store high definition video on a reliable surveillance grade hard drive.

STANDARD



HIGH DEFINITION



VANTAGE

LNR200 SERIES

www.lorextechnology.com

NETWORK VIDEO RECORDER FEATURES:

- FULL HD1080p resolution
- Real-time Recording (30fps) on each channel at 1080p resolution
- Simultaneous playback and live view on the same screen
- Selectable area zoom during live and playback display
- Easy camera installation using Power over Ethernet (CAT5) cable
- 24/7 100% duty cycle hard disc drive
- Expandable high capacity storage - up to 8TB (2 x HDD up to 4TB each)
- 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 ¹
- HDMI output resolution 1080p & VGA output for simple connection to HDTVs (HDMI cable included)
- Pentaplex operation - view, record, playback, backup & remotely control the system simultaneously

CONNECTIVITY FEATURES :

- Instant mobile viewing on compatible smartphones ²
- Dedicated iPad[®] and Android tablet apps with multi-channel live viewing and playback
- Exclusive LOREX Easy Connect Internet Set-up Wizard ³
- Lorex netHD Client Software:
 - PC (Microsoft Windows[™] 8, 7) compatible using client software (included) & web browser
 - Mac remote client software (included) and Safari web browser
- Free LOREX DDNS (Dynamic Domain Name Service) for advanced remote connectivity at all times
- Instant e-mail alerts with snap shot attachments of event and web link

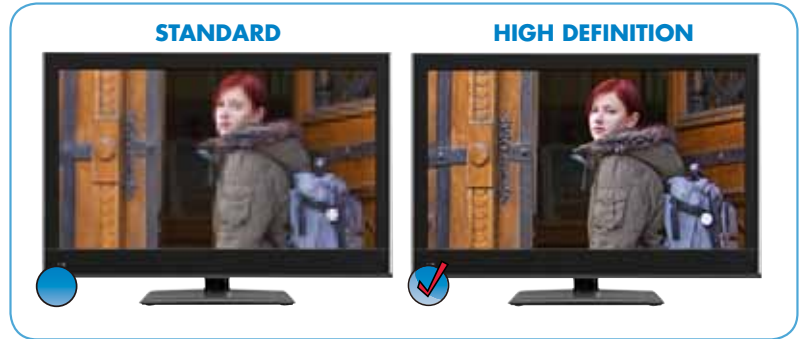




FULL HD NETWORK SECURITY CAMERA SYSTEM



- HIGH DEFINITION 1080p RESOLUTION
- INDOOR OR OUTDOOR, DAY & NIGHT
- POWER & VIDEO OVER ETHERNET CABLE



EVIDENCE IS KEY, SEE IT ALL IN netHD

View your world like never before with smooth FULL HD 1080p video and take advantage of the outstanding night vision.

CLEANER, SHARPER, LESS NOISE

3D DNR - Frame-to-frame Digital Noise Reduction combined with Spatial Noise Reduction, delivering a cleaner, more accurate image, with better clarity, sharpness, greater disc space for storage, and improved motion detection.

SEE THE BRIGHT & DARK AREAS

Digital-Wide Dynamic Range backlight compensation provides clear detailed images where very bright and very dark areas are in the same field of view and frame of the camera.

SET IT & FORGET IT FLEXIBLE INSTALLATION

Weatherproof Auto-Detect pre-configured cameras use Cat5 Power and Video over Ethernet cable for simple and flexible installation.

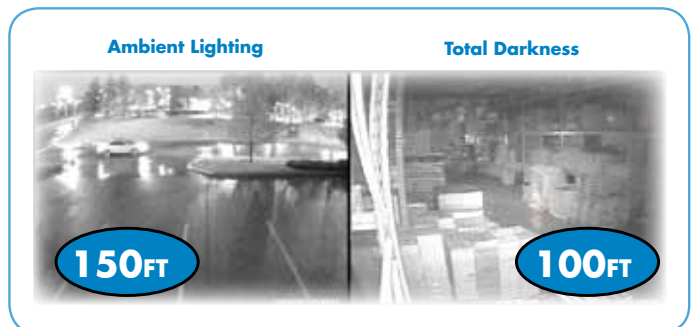
FEATURES

- H.264 video compression technology
- Full HD1080p video with real-time recording (30fps)
- True Day/Night mode: picture automatically switches to B&W delivering better clarity in low light conditions
- 3D DNR - Frame-to-frame Digital Noise Reduction combined with Spatial Noise Reduction, delivering a cleaner, more accurate image, with better clarity, sharpness, greater disc space for storage, and improved motion detection.
- Digital-Wide Dynamic Range backlight compensation provides clear detailed images where very bright and very dark areas are in the same field of view and frame of the camera.
- Outstanding Night Vision up to 150ft away in typical night time ambient lighting and up to 100ft away total darkness ⁴
- Automatic Infrared Filter ensures true & accurate color in all lighting conditions
- 3 Megapixel 4mm lens for superior detail and wide angle viewing (79° diagonal FOV)
- Easy IP management for hassle free remote mobile surveillance
- Dual stream allows you to record & view live video simultaneously while also conserving bandwidth
- Weatherproof (IP66) rated aluminum housing for indoor/outdoor installations ⁵
- Vandal-resistant design: Cable pass-through wall-mount bracket protects connection cables
- 100ft Cat5 Power over Ethernet cable (PoE) for flexible installation
- Close-up recognition at night with auto light compensation prevents wash-out effect
- Anti-glare feature ensures clear images under strong lighting conditions
- Set It and Forget It -Auto-Detect pre-configured cameras ⁶



LNR200 SERIES

FULL-HD SERIES	
1080p	
150/100ft	NIGHT VISION
PoE	POWER OVER ETHERNET
INDOOR/OUTDOOR	



NVR:

SYSTEM

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

INPUTS/OUTPUTS

Video IN	4/8ch IP Video Input
VGA Out	1-ch, resolution: 1920 x 1080P /60Hz, 1600 x 1200 /60Hz, 1280 x 1024 /60Hz, 1280 x 720 /60Hz, 1024 x 768 /60Hz
HDMI	1-ch, resolution: 1920 x 1080P /60Hz, 1600 x 1200 /60Hz, 1280 x 1024 /60Hz, 1280 x 720 /60Hz, 1024 x 768 /60Hz
Audio IN	1-ch, RCA (2.0 Vpp, 1kΩ)
Audio Out	1-ch, RCA (Linear, 1kΩ)
USB Port	2USB Interface, 1 at the back , 1 at the front
PTZ control	RS-485

DISPLAY

Live Display	4ch: Up to 4, 8ch: Up to 8
Live Display Speed	120 (4 ch)/ 240 (8 ch)
OSD	Configurable
System Navigation	USB Mouse, IR Remote Controller
Motion Area Setting	Adjustable grid (22 X 18)
Sensitivity levels	7
Firmware Upgrade	Via USB device and Network
Software Upgrade	Via Lorex website
User Authority	Configurable
Time Synchronization	Auto time sync by NTP server

RECORDING

Audio Compression	G.711
Recording Resolution	1080P/720P
Recording Speed	4ch: 120fps @ 1080P, 8ch: 240fps @ 1080p
Recording Quality Control	6 levels
Recording Schedule	By hour, by day, by recording mode, by motion, by ch
Pre Recording	Max. 30 Secs
Post Recording	Max. 10 Minutes
Reliability	Watch-Dog, Auto-recovery after power failure

PLAYBACK

4 Channel	Max 4ch
Playback Speed	Variable Max 8x
Playback Players	Backup Player, Client Software
Search	By time & event & tag
Log Search	Up to 2,000 lines for motion detected, configuration changes, connects/disconnects and video loss.

STORAGE & ARCHIVE

Storage	4/8 ch: Up to 2 HDD's (SATA)
Maximum Capacity	4/8ch: Up to 8TB (2 x 4TB)
Backup Media	USB Flash Drive & USB HDD
Backup File Format	MP4

CONNECTIVITY

Easy Connect	Lorex Auto Port Forward Wizard
Supported Operating Systems	Windows™ 8/7/Vista
Browsers	Internet Explorer & Safari & Chrome & Firefox
Email notification	Text with picture attached
Smart Phone Compatibility†	Smart Phone & Tablet Compatibility: iPad®, iPhone®, Android Tablet (3.2 & above). Android phone (version 2.3 & above)
DDNS	Lorex DDNS, IPServer, DynDNS, PeanutHull, NO-IP
System Configuration	Full setup configuration over network
Ports	Programmable by User
Network Protocol	TCP/IP protocol, PPPoE, DHCP, DNS, DDNS, NTP, SMTP, NFS, UPnP
Network Interface	1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface, 4/8 independent 10 /100 Mbps PoE Ethernet interfaces
Network Speed Control	32Kb ~ 8MB/sec.

GENERAL

Power Consumption	≤ 15 W (without hard disk)
Supply Voltage	100~240VAC, 47~63Hz, 3A
Unit Dimensions (W x D x H)	445 x 290 x 45mm
Unit Weight (KGs)	≤ 2 Kg (without hard disk)
Operating temperature	-10 °C ~ +55 °C
Humidity	10 % ~ 90 %

CAMERA (LNB2151B)

Image Sensor	1/3" Color Image Sensor
Video Format	NTSC
Effective Pixels	H: 1920 V: 1080
Resolution	1080P @ 30FPS (FPS)
Scan System	Progressive
Sync System	Internal
Iris	Auto Iris
AES Shutter Speed	1/25 ~ 1/100,000 sec.
Min. Illumination	0.14 Lux without IR LED, 0 Lux with IR LED
Lens / Lens Type	4mm F1.2 / Fixed
Digital Noise Reduction	3D-DNR
Wide Dynamic range	Digital WDR
FOV (Diagonal)	75°
Termination	RJ45 10M/100M Ethernet
IR LED Qty. / Type	30 pieces / 850nm
Night Vision Range	120ft (45m) / 75ft (30m)
Power Requirement	PoE (Power over Ethernet)
Operating Temp. Range	14° ~ 122°F / -10° ~ 50°C
Operating Humidity Range	< 95% RH
Environmental Rating	IP66 (indoor/outdoor)
Weight (including stand)	0.9lbs / 0.4kg

DVR Inputs & Outputs

4 Channel DVR



8 Channel DVR



Product Information:

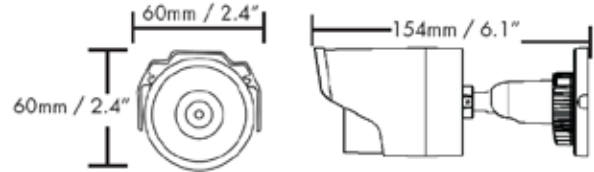
MODEL	CONFIGURATION	PACKAGE	W x D x H Inches & mm	WEIGHT	CUBE	UPC Code
LNR282C4B	8 ch NVR, 2TB HDD, 4 x LNB2151B Cameras	Brown Box	502mm x 416mm x 264mm 19.8 x 16.4 x 10.4	10.9kg/x 24.1lbs	0.05cbm / 1.95cbf	7-78597-28240-5
LNR241C4B	4 ch NVR, 1TB HDD, 4 x LNB2151B Cameras	Brown Box	502mm x 416mm x 264mm 19.8 x 16.4 x 10.4	10.9kg/x 24.1lbs	0.05cbm / 1.95cbf	7-78597-02414-2
NVR INCLUDES	NVR with Pre-Installed HDD, HDMI Cable, Remote Control, Power adapter, Mouse, Ethernet Cable, Quick Start Guide & Software CD.					
CAMERA INCLUDES	4 x IP Bullet Cameras, 4 x Mounting Kits, 4 x 100ft Cat5e, 4 x Ethernet Cables					

Dimensions:

NVR



CAMERA



COMPATIBILITY NOTICE

The included cameras are accessory products that are compatible with Lorex netHD Series NVRs only. They are not compatible with Lorex Eco, Edge or HD Series DVRs or with other brands of DVR or NVR. Lorex does not support connecting IP cameras to the local network or viewing video from the IP cameras except via the NVR.

DISCLAIMERS:

- Mirror recording requires a second hard drive (not included) be installed in the NVR. Mirror hard drive must be as large or larger than primary hard drive to backup all recordings. Backup begins from when mirror hard drive is installed and configured.
- Instant Mobile Viewing on iPad®, iPhone®, Android (version 2.3 & above). Mobile phone data plan is required (not included). Router port forwarding required. For the latest smart phone compatibility list check www.lorextechnology.com as new smart phone models become available in the market.
- Requires a high speed Internet connection and a router (not included).
- Stated IR illumination range is based on ideal conditions in total darkness and in typical outdoor night time ambient lighting. Actual range and image clarity depends on installation location, viewing area and light reflection / absorption level of object.
- Not intended for submersion in water. Installation in a sheltered location recommended.
- 1 minute discovery time when connecting a new camera to NVR.

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