



VIEW YOUR WORLD IN 4K ULTRA HD

Give yourself the best chance to capture the details you need from your security camera system with this powerful 4K Ultra HD DVR. Record outstanding 4K video with exceptional resolution and quality on all channels*. Stay connected to what matters most from anywhere in the world with Lorex Cloud™ app for smartphones and tablets.



Lorex Cloud™



8/16 Channels

1-8TB HDD

4K 8MP Ultra HD Resolution

FEATURES:

- True 4K Ultra HD recording on all cameras ¹
- Support for select Lorex 4K Ultra HD Active Deterrence Security cameras
- 24/7 security-grade pre-installed hard drive
- Continuous, scheduled, and motion recording
- H.264+ video compression reduces data bandwidth requirements for efficient data storage, reduced network load for easy remote connectivity
- HDMI output (HDMI cable included) for simple connection to HD TVs ²
- Accurate time stamps with NTP & daylight savings time
- Click and drag digital zoom in live view and playback
- 2 video outputs (HDMI & VGA) to connect multiple monitors
- Instant USB backup of live video from selected camera
- Automatic firmware upgrade over the Internet ensures your system is secure and up to date ³
- Lorex Cloud™ app with 3-Step setup ⁴ connects all your cameras and systems from any iOS or Android smartphone and tablet
- Motion push notifications and email alerts
- Dual streaming to conserve bandwidth
- Backward compatible with standard analog cameras



Lorex Cloud™



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 x 1Vpp, CVBS, 75ohms, BNC
Video OUT	No
VGA OUT	Yes
HDMI	Yes
Audio IN	1 lines IN (RCA)
Audio OUT	1 line OUT (RCA)
USB Port	1 at the back, 1 at the front
Alarm IN	None
Alarm OUT	None
Video Output Resolution	8/16 ch: HDMI: 3840x2160; 2560x1440; 1920x1200; 1600x1200; 1680x1050; 1920x1080; 1440x900; 1280x1024; 1280x720; 1024x768
PTZ control	RS-485 Pelco D & P Protocol

DISPLAY

Live Display	8 ch: 1, 4, 8 16 ch: 1, 4, 8, 9, 16
Live Display Speed	8 ch: 240 NTSC, 200 PAL 16 ch: 480 NTSC, 400 PAL
OSD	ON/OFF
System Navigation	USB Mouse, IR Remote Controller, Front Panel
Motion Area Setting	Fixed Grid 396 pixels (22x18) NTSC/PAL
Sensitivity	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+
Audio Compression	G.711
Recording Resolution*	4K/8MP (3840x2160), 2K/4MP (2688x1520), 3MP (2304x1296), 1080p (1920x1080), 720p (1280x720), 960x480, 704x480, 352x480, 704x240, 352x240, 176x120
Recording Frame Rate	4K@7fps (per ch), 4MP@1.5fps (per ch), 3MP/1080p/720p/960H: 30fps (NTSC)
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 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 / 8 16 ch: 1 / 4 / 9 / 16
Playback Speed	Variable Max 4x
Playback Players	Backup Player
Search	By Time/Date & Motion Event
Log Search	Up to 1000 lines for system, configuration changes, motion/alarm detected, account, record & storage
Audio Play	Yes

STORAGE & ARCHIVE

Storage	Up to 1 HDD (SATA)
Maximum Capacity	Up to 1 x 8TB
Backup Media	USB Flash Drive & HDD
Backup File Format	DAV/ASF file

CONNECTIVITY

Cloud Connection	Lorex Cloud™ Connectivity
Supported Operating Systems	Windows™ Mac OS X
Remote Software	Client Software (PC) & Safari (Mac)
Email notification	Text with snapshot
Instant Smart Phone & Tablet Support ⁴	iPad®, iPhone®, Android™ apps
DDNS	None
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
Network Interface	10/100Base-TX, RJ-45
Network Bit Rate	Max 64Mbps

GENERAL

Power Consumption	Approx. 10 watts (no HDD included)
Supply Voltage	8ch: 100VAC-240VAC, 12VDC, 2A, 50/60Hz 16ch: 100VAC-240VAC, 12VDC, 3A, 50/60Hz
Unit Dimensions	12.8 x 10.0 x 2.2" / 325 x 255 x 55mm
Unit Weight (KGs)	3.3lb / 1.5kg (without hard drive)
Operating temperature	14°F ~ 130°F / -10°C ~ 55°C
Humidity	10 ~ 90% RH

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

		4K (8MP) Ultra HD	2K (4MP) Super HD	3MP, 1080p, 720p, 960H
8ch	Total	56/47	120/96	240/200
	Per channel	7/6	15/12	30/25
16ch	Total	112/90	240/192	480/400
	Per channel	7/6	15/12	30/25

⁴4K & 4MP High Definition MPX cameras are required to take advantage of 4K & 4MP recording.

DVR Inputs & Outputs

8 Channel DVR (LHV5108)



16 Channel DVR (LHV5116)



Dimensions:

8/16 Channel DVR



Product Information:

MODEL	CONFIGURATION	PACKAGE	W x D x H Inches & mm	WEIGHT	CUBE	UPC Code
LHV51081T	8CH 4K (8MP) ULTRA HD DVR WITH 1 TB HDD	Brown Box	14.6 x 4.5 x 12.2" 371 x 115 x 310mm	5.95 lb / 2.70 kg	0.46cft / 0.01cbm	6-95529-01488-3
LHV51082T	8CH 4K (8MP) ULTRA HD DVR WITH 2 TB HDD	Brown Box	14.6 x 4.5 x 12.2" 371 x 115 x 310mm	5.95 lb / 2.70 kg	0.46cft / 0.01cbm	6-95529-01489-0
LHV51082TP	8CH 4K (8MP) ULTRA HD DVR WITH 2 TB HDD (PAL)	Brown Box	14.6 x 4.5 x 12.2" 371 x 115 x 310mm	5.95 lb / 2.70 kg	0.46cft / 0.01cbm	6-95529-01532-3
LHV51162T	16CH 4K (8MP) ULTRA HD DVR WITH 2 TB HDD	Brown Box	14.6 x 4.5 x 12.2" 371 x 115 x 310mm	5.95 lb / 2.70 kg	0.46cft / 0.01cbm	6-95529-01527-9
INCLUDES	1 x 4K Ultra HD DVR with pre-installed HDD, 1 x HDMI cable, 1 x Ethernet cable, 1 x DVR power adapter, 1 x Remote control, 1 x Mouse, Quick setup guide					

Disclaimers:

- Compatible with select 4K (8MP), 2K (4MP), 1080p and 720p MPX cameras and standard analog cameras. For a full list of compatible cameras and additional information, please visit www.lorexttechnology.com/compatibility
- Recording time may vary based on recording resolution & quality, lighting conditions and movement in the scene.
- HDMI output up to 4K (8/16ch). VGA output is 1080p for all models. Up to 4K (8MP) recording resolution is limited to a maximum of 4K (8MP) per channel. Image quality and resolution is dependent on the type of camera connected to the DVR. VGA output is limited to 1080p resolution.
- 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 2 devices may connect to the system at the same time.

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