



## 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 <sup>1</sup>
- 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 <sup>2</sup>
- Accurate time stamps with NTP and 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 <sup>3</sup>
- Lorex Cloud™ app with 3-Step setup <sup>4</sup> connects all your cameras and systems from any iOS or Android smartphone or 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	<b>8/16 ch</b>

### 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	<b>8/16 ch:</b> HDMI: 3840x2160; 2560x1440; 1920x1200; 1600x1200; 1680x1050; 1920x1080; 1440x900; 1280x1024; 1280x720; 1024x768
PTZ control	RS-485 Pelco D & P Protocol

### DISPLAY

Live Display	<b>8 ch:</b> 1, 4, 8 <b>16 ch:</b> 1, 4, 8, 9, 16
Live Display Speed up to	<b>8 ch:</b> 240 NTSC, 200 PAL <b>16 ch:</b> 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@15fps (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	<b>8 ch:</b> 1 / 4 / 8 <b>16 ch:</b> 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	<b>Windows™</b> <b>Mac OS X</b>
Remote Software	Client Software (PC) & Safari (Mac)
Email notification	Text with snapshot
Instant Smart Phone & Tablet Support <sup>4</sup>	iPad®, iPhone®, Android™ apps
DDNS	Yes (optional)
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	<b>8ch:</b> 100VAC-240VAC, 12VDC, 2A, 50/60Hz <b>16ch:</b> 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)

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

<sup>4</sup>4K & 4MP High Definition CVI cameras are required to take advantage of 4K & 4MP recording.

### DVR Inputs & Outputs

#### 8 Channel DVR (LHV5108W)



#### 16 Channel DVR (LHV5116W)



### Dimensions:

#### 8/16 Channel DVR



### Product Information:

MODEL	CONFIGURATION	PACKAGE	W × D × H Inches & mm	WEIGHT	CUBE	UPC Code
LHV51081TW	8CH 4K (8MP) ULTRA HD DVR WITH 1TB HDD	Brown Box	14.6 × 4.5 × 12.2" 371 × 115 × 310mm	5.95 lb / 2.70 kg	0.46cft / 0.01cbm	6-95529-01694-8
LHV51082TW	8CH 4K (8MP) ULTRA HD DVR WITH 2TB HDD	Brown Box	14.6 × 4.5 × 12.2" 371 × 115 × 310mm	5.95 lb / 2.70 kg	0.46cft / 0.01cbm	6-95529-01685-6
LHV51162TW	16CH 4K (8MP) ULTRA HD DVR WITH 2TB HDD	Brown Box	14.6 × 4.5 × 12.2" 371 × 115 × 310mm	5.95 lb / 2.70 kg	0.46cft / 0.01cbm	6-95529-01697-9
LHV51163TW	16CH 4K (8MP) ULTRA HD DVR WITH 3TB HDD	Brown Box	14.6 × 4.5 × 12.2" 371 × 115 × 310mm	5.95 lb / 2.70 kg	0.46cft / 0.01cbm	6-95529-01698-6
INCLUDES	1 × 4K Ultra HD DVR with pre-installed HDD, 1 × HDMI cable, 1 × Ethernet cable, 1 × DVR power adapter, 1 × Remote control, 1 × Mouse, 1 × Quick setup guide					

### Disclaimers:

- Compatible with select 4K (8MP), 2K (4MP), 1080p and 720p CVI cameras and standard analog cameras. For a full list of compatible cameras and additional information, please visit [www.lorextechnology.com/compatibility](http://www.lorextechnology.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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#### Lorex Corporation

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

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

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