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.

8/16 Channels 1-8TB HDD 4K 8MP Ultra HD Resolution

LHV5100 Series DVRs

www.lorex.com
FEATURES:

• True 4K Ultra HD recording on all cameras
• 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
• 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
• Lorex Cloud™ app with 3-Step setup 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
**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
- **Audio IN**: 1 line 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

**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@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**: 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 OSX
- **Remote Software**: Client Software (PC) & Safari (Mac)
- **Email notification**: Text with snapshot
- **Instant Smart Phone & Tablet Support**: 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**: 10/100BaseTX, RJ45
- **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)**: 8ch: 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)**

<table>
<thead>
<tr>
<th>8ch</th>
<th>4K (8MP) Ultra HD</th>
<th>2K (4MP) Super HD</th>
<th>3MP, 1080p, 720p, 960H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>56/47</td>
<td>120/96</td>
<td>240/200</td>
</tr>
<tr>
<td>Per channel</td>
<td>7/6</td>
<td>15/12</td>
<td>30/25</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>16ch</th>
<th>4K (8MP) Ultra HD</th>
<th>2K (4MP) Super HD</th>
<th>3MP, 1080p, 720p, 960H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>112/90</td>
<td>240/192</td>
<td>480/400</td>
</tr>
<tr>
<td>Per channel</td>
<td>7/6</td>
<td>15/12</td>
<td>30/25</td>
</tr>
</tbody>
</table>

*4K & 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:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CONFIGURATION</th>
<th>PACKAGE</th>
<th>W × D × H Inches &amp; mm</th>
<th>WEIGHT</th>
<th>CUBE</th>
<th>UPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>LHV51081T</td>
<td>8CH 4K (8MP) ULTRA HD DVR WITH 1 TB HDD</td>
<td>Brown Box</td>
<td>14.6 × 4.5 × 12.2&quot; 371 × 115 × 310mm</td>
<td>5.95 lb / 2.70 kg</td>
<td>0.46cft / 0.01cbm</td>
<td>6-95529-01488-3</td>
</tr>
<tr>
<td>LHV51082T</td>
<td>8CH 4K (8MP) ULTRA HD DVR WITH 2 TB HDD</td>
<td>Brown Box</td>
<td>14.6 × 4.5 × 12.2&quot; 371 × 115 × 310mm</td>
<td>5.95 lb / 2.70 kg</td>
<td>0.46cft / 0.01cbm</td>
<td>6-95529-01489-0</td>
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<tr>
<td>LHV51082TP</td>
<td>8CH 4K (8MP) ULTRA HD DVR WITH 2 TB HDD (PAL)</td>
<td>Brown Box</td>
<td>14.6 × 4.5 × 12.2&quot; 371 × 115 × 310mm</td>
<td>5.95 lb / 2.70 kg</td>
<td>0.46cft / 0.01cbm</td>
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<tr>
<td>LHV51162T</td>
<td>16CH 4K (8MP) ULTRA HD DVR WITH 2 TB HDD</td>
<td>Brown Box</td>
<td>14.6 × 4.5 × 12.2&quot; 371 × 115 × 310mm</td>
<td>5.95 lb / 2.70 kg</td>
<td>0.46cft / 0.01cbm</td>
<td>6-95529-01527-9</td>
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</table>

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, Quick setup guide

Disclaimers:

1. 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.lorextechnology.com/compatibility
2. Recording time may vary based on recording resolution & quality, lighting conditions and movement in the scene.
3. 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.
4. 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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Product may not be exactly as shown. Images are simulated.

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