WATCH OVER YOUR WORLD
FROM ANYWHERE IN THE WORLD

Don’t miss a thing with true-to-life video in real-time. Lorex Stratus Connectivity offers instant connection anywhere you go with no recurring fees.

8/12/16/24 Channels 1-3TB HDD 960H

LH160 ECO 6 Series DVRs
FEATURES:

- Tablet / smartphone viewing and playback ¹
- Lorex Stratus Connectivity - 3 step setup
- Superior 960H Resolution - 34% more detailed and true-to-life images ²
- Real-time recording at 30fps per channel
- 24/7 security-grade hard drive
- Instant email alerts with snap shot attachment
- Continuous, scheduled and motion recording
- Advanced mobile apps with live viewing, playback, video recording, and snap shot
- PC and Mac compatible
- HDMI cable included for simple connection to HD TVs ³
- H.264 video compression ⁴
- Pentaplex operation - view, record, playback, back up & remotely control the system simultaneously
- PTZ cameras supported (RS485). Remotely control through App
- Accurate time stamps with NTP & Daylight Savings Time
- 3 video outputs (HDMI, VGA and BNC) to connect multiple monitors
- Automatic firmware upgrades over Internet ensure your system is secure and up to date ⁵
**SYSTEM**

- **Operating System**: Linux (embedded)
- **Pentaplex**: Simultaneous View, Record, Playback, Backup & Remote Monitoring
- **Number of Channels**: 8/12/16/24 ch

**Inputs/Outputs**

- **Video IN**: 8/12/16/24 x 1Vpp, CVBS, 75ohms, BNC
- **Video OUT**: 1 x BNC
- **VGA OUT**: Yes
- **HDMI**: Yes
- **Audio IN**: 8 ch, 8 line IN (RCA), G.711, 12/16/24 ch, 4 line in(RCA), G.711
- **Audio OUT**: 1 line OUT (RCA), G.711
- **USB Port**: 1 at the back, 1 at the front
- **Alarm IN**: 8 Alarm IN
- **Alarm OUT**: 1 Alarm OUT
- **Video Output Resolution**: 1920x1080 HDMI, 1440x900, 1280x1024, 1024x768
- **PTZ control**: RS-485 Pelco D & P Protocol

**Display**

- **Live Display**: 8 ch: 1, 4, 9, 12 ch: 1, 4, 9, 12, 16 ch: 1, 4, 9, 16, 24 ch: 1, 4, 9, 16, 24
- **Live Display Speed**: 8 ch: 240 NTSC, 200 PAL, 12 ch: 360 NTSC, 300 PAL, 16 ch: 480 NTSC, 400 PAL, 24 ch: 720 NTSC, 600 PAL
- **OSD**: ON/OFF
- **System Navigation**: USB Mouse, IR Remote Controller, Front Panel
- **Motion Area Setting**: Adjustable grid (30x44) NTSC, Adjustable grid (36x44) PAL
- **Sensitivity levels**: 8
- **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**: NTSC: 960H: 960x480, 960x240, 480x240, D1 mode: 720x480(D1), 720x240(2CIF), 360x240(CIF)
  
  PAL: 960H: 960x576, 960x288, 480x288, D1 mode: 720x576(D1), 720x288(2CIF), 360x288(CIF)
- **Recording Resolution Setting**: Per camera for different resolutions
- **Recording Quality Control**: 3 levels
- **Recording Schedule alarm, by ch**: By hour, by day, by recording mode, by motion, by alarm, by ch
- **Pre Recording**: Max. 10 Secs
- **Post Recording**: Max. 5 Minutes
- **Reliability**: Watch-Dog, Auto-recovery after power failure
- **Covert Video**: Yes
- **Playback Channel**: 8 ch: 1–8 Adjustable, 12 ch: 1–12 Adjustable, 16/24 ch: 1–16 Adjustable
- **Playback Speed**: Variable Max. 1x6
- **Playback Players**: Backup Player
- **Search**: By time & event
- **Log Search**: Up to 100,000 lines for system, configuration changes, motion/alarm detected, account, record and storage
- **Audio Play**: Yes

**STORAGE & ARCHIVE**

- **Storage**: 8/12/16 ch: Up to 1 HDD’s (SATA), 24 ch: Up to 2 HDD’s (SATA)
- **Maximum Capacity**: 8/12/16 ch: up to 1 x 4TB, 24 ch: up to 2 x 4TB
- **Backup Media**: USB Flash Drive & HDD
- **Backup File Format**: H.264 file (AVI generator included)

**CONNECTIVITY**

- **Cloud Connection**: Lorex Stratus Connectivity
- **Supported Operating Systems**: Windows™, Mac OS
- **Remote Software**: Client Software (PC) & Safari (Mac)
- **Email notification**: Text with snapshot
- **Instant Smart Phone**: iPad®, iPhone®, Android™ & Tablet Support †
- **DDNS**: Free Lorex DDNS
- **System Configuration**: Full setup configuration over network
- **Ports**: Programmable by User
- **Network Protocol**: TCP/IP / DHCP / UDP / DDNS / PPPoE
- **Network Interface**: 10/100-Base-TX, RJ-45
- **Network Speed Control**: 48Kb ~ 8MB/sec.

**GENERAL**

- **Power Consumption**: Approx. 10 watts (no HDD included)
- **Supply Voltage**: 8/12/16 ch: 100VAC-240VAC, 12VDC, 2A, 50/60Hz, 24 ch: 100VAC-240VAC, 12VDC, 5A, 50/60Hz
- **Unit Dimensions**: 8/12/16 ch: 11.8”/300mm x 9.9”/251mm x 2.4”/60mm, 24 ch: 14.9”/380mm x13.3”/340mm x 1.9”/50mm
- **Unit Weight (KGs)**: 8 ch: 1.7 kg/3.75 lbs, 12 ch: 1.95 kg/4.3 lbs, 16 ch: 2.0 kg/4.43 lbs, 24 ch: 3.54 kg/7.8 lbs
- **Operating temperature**: 32° – 104° F / 0° - 40° C
- **Humidity**: 10 – 90% NC

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### Recording Resolution (Pixels) & Speed (FPS - Frames Per Second)

<table>
<thead>
<tr>
<th></th>
<th>960H</th>
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<tbody>
<tr>
<td></td>
<td>960 x 480</td>
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<tr>
<td>8ch</td>
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<td>Total</td>
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<tr>
<td>Per channel</td>
<td>30</td>
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<tr>
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<tr>
<td>Total</td>
<td>720</td>
</tr>
<tr>
<td>Per channel</td>
<td>30</td>
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DVR Inputs & Outputs

8 Channel DVR
- 8 ch ECO6 DVR with 1TB HDD
- Brown Box
- 424mm x 99mm x 269mm (16.7" x 3.9" x 10.6")
- 2.5 kg / 5.5 lbs
- 0.011cbm / 0.39cbf
- 6-95529-00059-6

12 Channel DVR
- 12 ch ECO6 DVR with 2TB HDD
- Brown Box
- 424mm x 99mm x 269mm (16.7" x 3.9" x 10.6")
- 2.6 kg / 5.7 lbs
- 0.011cbm / 0.39cbf
- 6-95529-00057-2

16 Channel DVR
- 16 ch ECO6 DVR with 2TB HDD
- Brown Box
- 424mm x 99mm x 269mm (16.7" x 3.9" x 10.6")
- 2.6 kg / 5.7 lbs
- 0.011cbm / 0.39cbf
- 6-95529-00052-7

24 Channel DVR
- 24 ch ECO6 DVR with 3TB HDD
- Brown Box
- 480mm x 95mm x 370mm (18.9" x 3.7" x 14.5")
- 4.2 kg / 9.4 lbs
- 0.016cbm / 0.58cbf
- 6-95529-00023-7

Includes
- DVR with Pre-Installed HDD
- HDMI Cable
- Remote Control
- Power adapter
- Mouse
- Ethernet Cable
- Quick Start Guides

Dimensions:

8/12/16 Channel DVRs

Product Information:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CONFIGURATION</th>
<th>PACKAGE</th>
<th>W x D x H Inches &amp; mm</th>
<th>WEIGHT</th>
<th>CUBE</th>
<th>UPC Code</th>
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</thead>
<tbody>
<tr>
<td>LH16081T</td>
<td>8 ch ECO6 DVR with 1TB HDD</td>
<td>Brown Box</td>
<td>424mm x 99mm x 269mm</td>
<td>2.5 kg / 5.5 lbs</td>
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<td>0.016cbm / 0.58cbf</td>
<td>6-95529-00023-7</td>
</tr>
</tbody>
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Disclaimers:

1. Requires a high speed internet connection and a router (not included). An upload speed of 1Mbps is recommended 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, check www.lorextechnology.com/support.
2. Optimized when used with 960H compatible cameras. DVR is backwards compatible and supports different camera inputs: standard resolution and 960H.
3. High definition recording not supported; recording resolution is limited to a maximum of 960x480 per channel. Image quality and resolution is dependent on the type of camera connected to the DVR.
4. Recording time may vary based on recording resolution & quality, lighting conditions and movement in the scene.
5. Both firmware and software must be updated to latest version to ensure remote connectivity. Always update to the latest software (available at www.lorextechnology.com) after upgrading the DVR firmware.

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