WATCH OVER YOUR WORLD
FROM ANYWHERE IN THE WORLD

MOBILE SURVEILLANCE
Connect and view your system on the go with your Tablet or Smartphone over a 3G/4G or WiFi network.†

SIMPLE YET ADVANCED
Record on a surveillance grade hard drive, designed for 24/7 operation providing weeks or even months of reliable recording.¹

SIMULTANEOUS MONITOR VIEWING
Connect to a TV, PC, or CCTV monitors with industry standard VGA & BNC inputs.

EASY SYSTEM NAVIGATION
Intuitive menu options with simple icons allow for fast and efficient DVR programming.

REMOTE CONNECTIVITY & COMPATIBILITY*

INCLUDES

CONNECT WITH TABLET & SMARTPHONE
VIEW & CONTROL WITH PC & MAC
24/7 RELIABLE RECORDING
AFFORDABLE PEACE OF MIND

VANTAGE
LH010 ECO Blackbox Series
www.lorextechnology.com
DIGITAL VIDEO RECORDER:

• H.264 video compression¹
• Real time recording: 8/16ch: (360x240)/ 4ch: (720x240) resolution
• Pentaplex operation - View, Record, Playback, Back Up & Remotely Control the system simultaneously
• 24/7 100% Duty cycle hard drive pre-installed
• PTZ cameras supported (RS485)
• Exclusive LOREX Easy Connect Internet Set-up Wizard ²
• Instant Mobile Viewing on compatible Smart phones & Tablets†
• PC and Mac Compatible (Internet Explorer & Safari browsers)
• Free LOREX DDNS (Dynamic Domain Name Service) for advanced remote connectivity at all times
• Instant email alerts with snap shot attachment
• Accurate Time Stamps with NTP & Daylight Savings Time

WHAT’S INSIDE IN THE BOX:

• DVR with pre-installed HDD*
• Easy-to-follow setup instruction guide and manual
• ALSO INCLUDES: Remote Control, Power Adapter, Mouse, Ethernet Cable.
### Specifications:

**DVR:**

**SYSTEM:**
- **Operating System:** Linux (embedded)
- **Pentaplex Simultaneous:** View, Record, Playback, Backup & Remote Monitoring
- **Number of Channels:** 4/8/16 Channel

**Inputs/Outputs**
- **Video IN:** 4/8/16 x 1Vp-p, CVBS, 75ohms, BNC
- **Video OUT:** 4/8 ch: 2 x BNC, 16 ch: 1 x BNC
- **VGA OUT:** 4/8/16 ch: Yes
- **Audio IN:** 4/8 ch: 1 Line in[RCA], G.711
- **Audio OUT:** 4/8/16 ch: 1 line out[RCA], G.711
- **USB Port:** 1 at the back for Mouse, 1 at the front for firmware upgrade & USB backup
- **Video Output Resolution:** 800x600, 1024x768, 1280x1024
- **PTZ control:** RS-485 Pelco D & P Protocol

**Display**
- **Live Display:** 4 ch: 1, 4
- **Live Display Speed:** 120 (4 ch)/ 240 (8 ch)/ 480 (16 ch) NTSC
- **OSD:** ON/OFF
- **System Navigation:** USB Mouse, IR Remote Controller
- **Motion Area Setting:** Adjustable grid (10 x15) NTSC
- **Sensitivity levels:** 8
- **Firmware Upgrade:** 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:** 4/8/16 ch: NTSC: 360x240 [CIF], 720x240 [HD1], 720x480 [D1]
- **Recording Speed:** 4/8/16 ch: 120/100 (NTSC/PAL) @ CIF, 60/50 (NTSC/PAL) @ D1
- **Recording Resolution Setting:** Per camera for different resolutions [CIF/2CIF/D1], 16 ch: CIF only

**PLAYBACK**
- **Playback Channel:** 1–4 Adjustable(4 ch), 1–8 Adjustable (8 ch), 1–16 Adjustable (16 ch)
- **Playback Speed:** Variable Max 1.6x
- **Playback Players:** Backup Player
- **Search:** By time & event
- **Log Search:** Up to 1,000,000 lines for motion detected, configuration changes, connects/disconnects and video loss.
- **Audio Play:** Yes

**STORAGE & ARCHIVE**
- **Storage:** 4/8/16 ch: Up to 1 HDD's [SATA]
- **Maximum Capacity:** 4/8/16 ch: Up to 2TB
- **Backup Media:** USB Flash Drive & HDD
- **Backup File Format:** H.264 file (AVI generator included)

**CONNECTIVITY**
- **Easy Connect:** Lorex Auto Port Forward Wizard
- **Supported Operating Systems:** 4/8/16 ch: Windows™ XP, Vista, 7
- **4/8/16 ch: Mac OS X Snow Leopard 10.6 or above**
- **Browsers:** Internet Explorer & Safari 6.0
- **Email notification:** Text with snapshot
- **Instant Smart Phone Compatibility†:** Smart Phone & Tablet Compatibility: iPad®, iPhone®, BlackBerry (supported model numbers: 9000, 9700, 9800), Android (version 1.5 & above), Windows Mobile (6.0, 6.5), Symbian 3rd & 5th generation phones.

**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:** 10/100Base-TX, RJ-45
- **Network Speed Control:** 48Kb ~ 8MB/sec.

**GENERAL**
- **Power Consumption:** 4/8/16 ch: Approx. 15 watts [HDD Pre-installed]
- **Supply Voltage:** 4/8/16 ch: 100VAC-240VAC, 12VDC , 2A, 50/60Hz
- **Unit Dimensions:** 4/8/16 ch: 11.81” x 300mm x 8.66” x 220mm x (W x D x H)
- **Unit Weight (KGS):** 4 & 8 ch: 1.32 kgs/2.9 lbs
- **Operating temperature:** 32° – 104° F / 0° – 40° C
- **Humidity:** 10 – 90% NC

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**VANTAGE**

**LH010 ECO Blackbox Series**
DVR Inputs & Outputs

4 Channel DVR

LH014501 4 ch DVR with 500 GB HDD Retail English 424mm x 99mm x 269mm 16.7" x 3.9" x 10.6" 2.3 kg/x 5.1 lb 0.0039cbm / 0.14cbf 7-78597-01451-8

8 Channel DVR

LH018501 8 ch DVR with 500 GB HDD Retail English 424mm x 99mm x 269mm 16.7" x 3.9" x 10.6" 2.4 kg/x 5.4 lb 0.0039cbm / 0.14cbf 7-78597-18501-2

16 Channel DVR

LH016501 16 ch DVR with 500 GB HDD Retail English 424mm x 99mm x 269mm 16.7" x 3.9" x 10.6" 2.4 kg/x 5.4 lb 0.0039cbm / 0.14cbf 7-78597-16501-2

Includes DVR with Pre-Installed HDD, Remote Control, Power adapter, Mouse, Ethernet Cable, Documentation & Software CD, QSG, Instruction Manual.

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>LH014501</td>
<td>4 ch DVR with 500 GB HDD</td>
<td>Retail</td>
<td>424mm x 99mm x 269mm 16.7&quot; x 3.9&quot; x 10.6&quot;</td>
<td>2.3 kg/x 5.1 lb</td>
<td>0.0039cbm / 0.14cbf</td>
<td>7-78597-01451-8</td>
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<tr>
<td>LH018501</td>
<td>8 ch DVR with 500 GB HDD</td>
<td>Retail</td>
<td>424mm x 99mm x 269mm 16.7&quot; x 3.9&quot; x 10.6&quot;</td>
<td>2.3 kg/x 5.2 lb</td>
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<tr>
<td>LH016501</td>
<td>16 ch DVR with 500 GB HDD</td>
<td>Retail</td>
<td>424mm x 99mm x 269mm 16.7&quot; x 3.9&quot; x 10.6&quot;</td>
<td>2.4 kg/x 5.4 lb</td>
<td>0.0039cbm / 0.14cbf</td>
<td>7-78597-16501-2</td>
</tr>
</tbody>
</table>

Dimensions:

DVR

- 299mm/11.8”
- 251mm/9.9”
- 60mm/2.4”

DISCLAIMERS:

1. Recording time may vary based on recording resolution & quality, lighting conditions and movement in the scene.
2. Requires a high speed internet connection and a router [not included].

† Smart Phone & Tablet Compatibility: iPad™, iPhone™, BlackBerry [supported model numbers: 9000, 9700, 9800], Android [version 1.5 & above], Windows Mobile [6.0, 6.5], Symbian 3rd & 5th generation phones. Mobile phone data plan is required [not included]. Router port forwarding required.

* BlackBox is used solely as a marketing term and does not imply that the product can survive fire or extreme conditions. Use product in accordance with the instructions provided.

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