Connect from anywhere in the world on any device‡. Ideal for business or home.

CONNECT easily
Lorex Easy Connect Internet Setup Wizard will get you connected in 3 simple steps. Instant Mobile viewing while on the go with Blackberry™, iPhone™ and Windows Mobile smart-phones‡. Use your web browser on your PC or Mac³.

VIEW everything
Monitor your property, indoors and outdoors, day or night with the included 4 or 8 night-vision weather proof cameras. Exceptional playback quality allows you to see and identify your critical events.

RECORD what happens
H.264 video compression and a large capacity hard disk provide weeks of recorded video. Backup data that is important to you with USB connectivity.

PROTECT what matters
Your home or business are a priority. Gain peace of mind with a reliable recording solution, email alerts and instant connectivity.

The leading Edge in video security.

LH328 Edge• Series

HOME & BUSINESS SECURITY
INTERNET & MOBILE CONNECTIVITY, H.264, DAY/NIGHT (8x8, 8x4)
8 CHANNEL EDGE• SECURITY CAMERA SYSTEM

www.lorextechnology.com
**DIGITAL VIDEO RECORDER:**
- EDGE design for stand alone or VESA mount (Wall & LCD)
- 3D graphics, crisp, color rich, high contrast video
- DVI/VGA output for display on LCD PC or TV monitor with DVI/VGA input. HDMI compatible
- H.264 video compression
- Pentaplex operation - View, Record, Playback, Back Up & Remotely Control the system simultaneously
- Record at VGA resolution (640 x 480) per channel.
- Video output [up to] 1280 x 1024 @ 60 Hz
- Small form factor (7.0x11.5x1.5”)
- Expandable up to 2TB SATA HDD
- "Flex" IR controller (line-of-sight not required)
- USB: backup, image transfer, firmware upgrade, mouse
- Alarm Input/Output (4/1 ), 2 Audio Inputs/output
- PTZ cameras supported (RS485)
- Record on motion detection, schedule or continuous
- Navigation: Front controls, Mouse, Remote Control

**CONNECTIVITY:**
- LOREX Instant Mobile Viewing on iPad™, iPhone™ and other compatible Smart phones†: BlackBerry (9000 & above), Android (version 1.5 & above) and Window Mobile (6.0 & above).
- Exclusive LOREX Easy Connect Internet Set-up Wizard ²
- PC (Microsoft Windows™ 7/Vista/XP compatible) using Internet Explorer® browser
- Apple Mac™ compatible using Safari browser for multi channel live viewing
- Free LOREX DDNS (Dynamic Domain Name Service) for advanced remote connectivity at all times
- Instant email alerts

**CVC6930 CAMERAS:**
- Resolution: 420 TV Lines
- 18 IR LEDs provides night vision range of 40ft (12m)**
- True Day/Night operation using built-in IR Filter Changeable Mechanism to achieve accurate color representation in changing lighting conditions
- Advanced Day/Night mode: picture automatically switches to B&W delivering better clarity in low light conditions
- Weatherproof Design: ideal for Outdoor and Indoor applications (IP66***)
- Ceiling, wall or counter mountable with versatile stand

**CVC6996 CAMERAS:**
- Advanced Image Sensor (AIS) produces High Resolution video (480 TV Lines)
- IR Cut Filter provides accurate color reproduction in all lighting conditions
- 30 High Intensity IR LEDs provide effective night vision range up to 75 ft. (23 m)****
- 5.1mm Pure Flat lens eliminates image distortion
- Day/Night mode: Picture automatically switches to B&W delivering better clarity in low light conditions
- Weatherproof cameras ideal for indoor and outdoor applications (IP66)*****
- A single 4-in-1 power adaptor provides power to all 4 cameras
- Versatile stand provides flexible mounting options: ceiling, counter or wall mountable

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**VESA MOUNT**
Easily mounts to the back of an LCD monitor (not included) †† (Requires clear access to the VESA mounting holes. Monitor not included).

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**Mounting Options**
**Specifications:**

**DVR:**

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

**Inputs/Outputs**
- Video IN: 8/16 x 1Vp-p, 75ohms, BNC
- DVI Out: DVI compatible. DVI to VGA Converter included
- Audio IN: 2 Line in [RCA]
- Audio Out: 2 line out [RCA]
- USB Port: 2 front & back
- Alarm IN: 4 x TTL, programmable as NC/NO
- Alarm Out: 1 x Relay with NO/NC contact
- PTZ control: By Terminal connector [RS485]

**Display**
- Live Display: 1 or 4 or 9 [8ch] 1 or 4 or 9 or 16 [16ch]
- OSD: ON/OFF
- OSD Navigation: USB Mouse, IR Remote Controller, Front Panel Controls
- Activity Detection: 6 x 8 grid
- Sensitivity levels: 100
- System Control: USB Mouse, Front Panel Controls, Handheld Remote Control
- Firmware Upgrade: Via USB device
- User Authority: ADMIN/USER/GUEST

**RECORDING**
- Video Compression: H.264
- Audio Compression: ADPCM
- Recording Speed & Resolution: 8/16 Channels: 240 fps [NTSC], 200 fps [PAL] @ 320 x 240 NTSC / 320 x 256 PAL
- Recording Resolution Setting: Programmable per camera
- Recording Quality Control: 5 levels
- Image Size: 8.51 Kbyte [640x480,640x512], 11.2 Kbyte [640x240, 640x256] 14.1 Kbyte [320x240, 320x256]
- Recording modes: Continuous, motion, alarm
- Pre Recording: Max. 10 seconds
- Post Recording: Max. 255 seconds
- Alarm Recording: Programmable per camera
- Reliability: Watch-Dog, Auto-recovery after power failure

**PLAYBACK**
- Playback Display: 1,4,9 (8ch), 1,4,9,16 (16ch)
- Playback Speed: Variable up to 60x
- Playback Players: Apple QuickTime Player
- Search: By time & event

**STORAGE & ARCHIVE**
- Storage: Up to 1 HDD’s [SATA]
- Maximum Capacity: Up to 2TB
- Backup Media: USB Flash Drive (max 4GB)
- Backup File Format: MOV file [Codec included]
- Bookmark Archiving: Supported

**CONNECTIVITY**
- Easy Connect: 1. Yoics Enabled [registration required]
- Software: Web browser
- Supported Operating Systems: Windows™ XP, Vista, 7 and Apple Mac [via Safari browser]
- Browsers: Internet Explorer, Safari
- Email notification: Snap Shot attachment [8/16ch]
- Mobile connectivity: iPad™, iPhone™ - 3.1.2 and above, Blackberry™ - 9000 Series and above, Android (version 1.5 & above), Windows Mobile™ smart phones – 6.0 and above touch screen smart phones
- DDNS: Free Lorex DDNS
- Web Server Port: Programmable by User
- Network Protocol: LAN, DHCP, Dynamic IP, DDNS
- Network Interface: 10/100-Base-TX, RJ-45
- Network Speed Control: 10 levels (28.8Kb ~ 1.5MB) /sec.

**GENERAL**
- Power Consumption: Approx. 30 watts
- Supply Voltage: 120VAC-240VAC, 12VDC, 2.5A[4ch], 3A[8/16ch], 50/60Hz
- Unit Dimensions (W x D x H): 11.6” / 290mm X 7.2”/180mm X 1.67”/41.8mm
- Unit Weight [KGS]: 1.45±0.1 kg/3.2±0.22 lbs [8/16ch]
- Operating temperature: 41° ~ 104° F / 5° ~ 40° C
- Humidity: 10 ~ 75% NC

**BACK PANEL:**
### Specifications:

**CAMERA (CVC6930):**
- **Image Sensor:** 1/4" Color Image Sensor
- **Video Format:** NTSC
- **Effective Pixels:** H: 640, V: 480
- **Resolution:** 420 TV Lines
- **Scan System:** 2:1 Interface
- **Sync System:** Internal
- **S/N Ratio:** More than 40dB
- **Iris & Shutter Speed:** AES, 1/60 - 1/50,000 Sec
- **Minimum Illumination:** 0.6 Lux @ F1.2 (IR off), 0 Lux (IR LEDs on)
- **Video Output:** Comp. 1.0 Vpp @ 75 ohm
- **FOV (diagonal):** 64°
- **Lens/Lens Mount:** 3.6m F1.8/Board Type
- **Video Output (with sunshade):** 5.1" x 3" x 5.1" 130 mm x 75 mm x 129 mm
- **Weight (with stand):** 0.66 lb / 0.3 kg
- **IR / Night Vision Range:** 30 IR LEDs/850nm/75' (23m)
- **Dimensions LxWxH (with sunshade):** 2.6" / 66mm / 4.2" / 107mm / 5.2" / 132mm
- **Environmental Rating:** IP 66
- **Power Requirement:** 12V DC ±10%
- **Power Consumption:** 220 mA or 3W max
- **Operating Temp.:** 14°F ~ 122°F (-10°C ~ 50°C)
- **Power Consumption:** 0.02174m / 0.77648 ft
- **Power Requirement:** 12V DC ±10%
- **Power Consumption:** 220 mA or 3W max
- **Operating Temp.:** 14°F ~ 122°F (-10°C ~ 50°C)
- **Weight (with stand):** 9.6kg / 21.2 lbs
- **Dimensions LxWxH:** 320mm x 349mm x 317mm / 12.6" x 13.7" x 12.5"
- **IR LEDs:** 30 pieces / 850nm / 75' (23m)
- **Termination:** Video: BNC Female, Power: Barrel Female

**CAMERA (CVC6996):**
- **Image Sensor:** 1/4" Advanced Color
- **Video Format/Pixels:** NTSC: 656(H) x 492(V)
- **Horizontal Resolution:** 480 TVL
- **Sync. & Scan. Systems:** Internal; 2:1 Interface
- **S/N Ratio:** → 48dB
- **Iris & Shutter Speed:** AES, 1/60 - 1/50,000 Sec
- **Minimum Illumination:** 0.6 Lux @ F1.2 (IR off), 0 Lux (IR LEDs on)
- **Video Output:** Comp. 1.0 Vpp @ 75 ohm
- **FOV (diagonal):** 50 degrees
- **Lens/Lens Mount:** 5.0mm F2.8/Fixed
- **IR / Night Vision Range:** 30 IR LEDs/850nm/75' (23m)
- **Power Requirement:** 12V DC ±10%
- **Power Consumption:** 220 mA or 3W max
- **Operating Temp.:** 14°F ~ 122°F (-10°C ~ 50°C)
- **Weight (with stand):** 6.1kg / 13.4 lbs
- **Dimensions LxWxH:** 327mm x 325mm x 212mm / 12.9" x 12.9" x 8.4"
- **IR LEDs:** 30 pieces / 850nm / 75' (23m)
- **Termination:** Video: BNC Female, Power: Barrel Female

### Dimensions:

<table>
<thead>
<tr>
<th>DVR</th>
<th>Camera (CVC6930)</th>
<th>Camera (CVC6996)</th>
</tr>
</thead>
<tbody>
<tr>
<td>290mm / 11.4&quot;</td>
<td>42mm / 1.6&quot;</td>
<td>5.1&quot; / 130mm</td>
</tr>
<tr>
<td>180mm / 7.0&quot;</td>
<td>2.6&quot; / 66mm</td>
<td>3.0&quot; / 75mm</td>
</tr>
</tbody>
</table>

### Product Information:

<table>
<thead>
<tr>
<th>Model#:</th>
<th>LH328501C4 Edge with 500GB HDD &amp; 4 Cameras in a Giftbox.</th>
<th>LH328501C8 with 500GB HDD &amp; 8 Cameras in a Giftbox.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPC Code:</td>
<td>7-78597-32803-5</td>
<td>7-78597-32803-2</td>
</tr>
<tr>
<td>Weight:</td>
<td>LH328501C4: 6.1kg / 13.4 lb</td>
<td>LH328501C8: 9.6kg / 21.2 lbs</td>
</tr>
<tr>
<td>Cube:</td>
<td>LH328501C4: 0.02174m / 0.77648 ft</td>
<td>LH328501C8: 0.035m / 1.25 ft</td>
</tr>
<tr>
<td>Package Dimensions:</td>
<td>LH328501C4: 327mm x 325mm x 212mm / 12.9&quot; x 12.9&quot; x 8.4&quot;</td>
<td>LH328501C8: 320mm x 349mm x 317mm / 12.6&quot; x 13.7&quot; x 12.5&quot;</td>
</tr>
</tbody>
</table>
| Includes: | 8 Channel DVR, HDD Pre-Installed, Remote Control & “Flex” IR controller, Power adapter for DVR, Mouse, Ethernet Cable, DVI to VGA Converter, 4 or 8 x Cameras, 4 or 8 x Camera Stands, 4 or 8 x BNC to RCA Adaptors, 4 or 8 x 6W BNC Extension Cables, 4 or 8 x Camera Power Adaptors (or 1 or 2 x 4 in 1 camera power adapter), 2 screws (for key-hole style VESA mounting) |}

### 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).
3. DV to HDMI converter cable required. (not included).
4. Instant Mobile Viewing on iPad™, iPhone™ and other compatible Smart phones: BlackBerry (9000 & above), Android (version 1.5 & above) and Windows Mobile (6.0 & above). Selectable one channel live viewing. Mobile phone data plan is required (not included). Router port forwarding required. For the latest smart phone compatibility list check www.lorextechnology.com
5. * Not recommended for submersion in water. Installation under shelter is recommended.
6. ** IR illumination range of 40ft (12m) under ideal conditions. Objects at or beyond this range may be partially or completely obscured, depending on the camera application. Range and clarity vary depending on object reflection.
7. *** Night vision range up to 75 ft. (23 m) in ideal conditions. Objects at or beyond this range may be partially or completely obscured, depending on the camera application.
8. **** Not intended for submersion in water. Installation in a sheltered location recommended.
9. Always use discretion when installing video and/or audio surveillance equipment especially when there is perceived privacy. Inquire regarding federal, state and/or local regulations applicable to the lawful installation of video and/or audio recording or surveillance. Party consent may be required.
10. ***** Not intended for submersion in water. Installation in a sheltered location recommended.
11. As our product is subject to continuous improvement, Lorex Technology & subsidiaries reserve the right to modify product design, specifications & prices without notice and without incurring any obligation. E&OE