VIEW YOUR WORLD IN HD

Experience crystal clear HD 720p (1280 x 720) video day or night. See double the detail of standard analog cameras. Stay connected wherever you go with FLIR Cloud mobile apps.

LOREX® BY FLIR
HIGH DEFINITION 720p
SECURITY CAMERA SYSTEM

8
Cameras

16
Channels

1TB
HDD

720p
Indoor/Outdoor

www.lorextechnology.com
High definition 720p recording. Double the resolution of 960H

Compatible with 720p HD and standard Analog cameras up to 900TVL

24/7 security-grade hard drive

Continuous, scheduled and motion recording

H.264 video compression

HDMI output (HDMI cable included) for simple connection to HDTVs

PTZ cameras supported, remote control through App

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

FLIR Cloud™ app with 3-Step setup

PC and Mac compatible

Free iOS and Android compatible apps

Advanced apps with live viewing, playback, video recording, and snap shot

Motion push notifications and email alerts

Instant email alerts with snapshot attachment

LHV00161TC6D2PM
VIEW YOUR WORLD IN HD

Experience 720p video day and night. Keep an eye on your home or business with weatherproof outdoor cameras with cold climate capability.

FEATURES:

• High definition 720p image sensor delivers double the resolution of 960H ¹
• Outstanding detail, day or night
• Infrared cut filter ensures accurate color representation
• Night vision range up to 130ft (40m) in ambient lighting & 90ft (28m) in total darkness ²
• Anti-glare feature ensures clear images under strong lighting conditions
• Split glass design minimizes IR reflection
• Weatherproof for outdoor & indoor installation (IP66 Rated) ³
• Cold climate capability (-22° ~ 140°F / -30° ~ 60°C)
• 55° horizontal field of view

720P Resolution 130/90 FT Night Vision Indoor/outdoor

LHV00161TC6D2PM

www.lorextechnology.com
VIEW YOUR WORLD IN HD

Keep an eye on your home or business day or night, indoors and outdoor. This premium security camera features high definition 720p picture quality and long-range night vision so you never lose sight of important details.

FEATURES:

- High definition 720p image sensor delivers double the resolution of 960H ¹
- Infrared cut filter ensures accurate color representation
- Night vision range up to 112ft (34m) in ambient lighting & 75ft (23m) in total darkness ²
- Anti-glare feature ensures clear images under strong lighting conditions
- Split glass design minimizes IR reflection
- Vandal resistant design
- 3-axis design for wall / ceiling mounting
- Residential and business friendly compact design
- 55° field of view (horizontal)
- UL-rated extension cable included for in-wall installation
- Extend the video signal up to 800ft (242m) with a single-run RG59 coaxial cable for flexible installations
- Weatherproof for outdoor & indoor installation (IP66 Rated) ³
- Cold climate capability (-22° ~ 140°F / -30° ~ 60°C)

720P Resolution 112/75 FT 34/23 M Night Vision Indoor/outdoor

LHV00161TC6D2PM www.lorextechnology.com
HIGH DEFINITION 720p SECURITY CAMERA SYSTEM
Specifications

DVR SPECS

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

INPUTS/OUTPUTS
Video IN 4/8/16 x 1Vpp, CVBS, 75ohms, BNC
Video OUT No
VGA OUT Yes
HDMI Yes
Audio IN 1 line IN (RCA)
Audio OUT 1 line IN (RCA)
USB Port 1 at the back, 1 at the front
Alarm IN None
Alarm OUT None
Video Output Resolution 1920x1080 HDMI, 1280x1024, 1024x768
PTZ control RS-485 Pelco D & P Protocol

DISPLAY
Live Display 4 ch: 1, 4
8 ch: 1, 4, 8, 9
16 ch: 1, 4, 8, 9, 16
Live Display Speed 4 ch: 120 NTSC, 100 PAL
8 ch: 240 NTSC, 200 PAL
16 ch: 480 NTSC, 400 PAL
OSD ON/OFF
System Navigation USB Mouse
Motion Area Setting Adjustable grid (22x18)
Sensitivity levels 6
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: 1280x720 (720p), 960x480 (960H), 704x480 (D1), 352x240 (CIF)
PAL: 1280x720 (720p), 960x576 (960H), 704x576 (D1), 352x288 (CIF)
Recording Resolution Setting Per camera for different resolutions
Recording Quality Control 5 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 WatchDog, Auto-recovery after power failure
Covert Video Yes

PLAYBACK
Playback Channel Single channel or quad playback
Playback Speed Variable Max. 4x
Playback Players Backup Player
Search By time & event
Log Search Up to 1,000 lines for motion detected, configuration changes, connects/disconnects and video loss
Audio Play no

STORAGE & ARCHIVE
Storage Up to 1 HDD’s (SATA)
Maximum Capacity up to 1 x 4TB
Backup Media USB Flash Drive & HDD
Backup File Format DAV or ASF file

CONNECTIVITY
Cloud Connection Flir Cloud™
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™
DDNS Free Lorex DDNS
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, PPOE, DDNS, FTP, IP
FilterNetwork Interface 10/100BaseTX, RJ45
Network Speed Control 48Kb ~ 8MB/sec.

GENERAL
Power Consumption Approx. 10 watts (no HDD included)
Supply Voltage 4 ch: 100VAC-240VAC, 12VDC, 1.5A, 50/60Hz
8/16 ch: 100VAC-240VAC, 12VDC, 2A, 50/60Hz
Unit Dimensions 10.2” x 8.7” x 1.6” / 260mm x 220mm x 40mm
Unit Weight 0.75 kg/1.7 Lbs
Operating temperature 14° ~ 131° F / -10° ~ 55° C
Humidity 10 ~ 90% RH

RECORDING RESOLUTION (PIXELS) & SPEED (FPS - FRAMES PER SECOND)

<table>
<thead>
<tr>
<th>Channels</th>
<th>NTSC</th>
<th>PAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>960H</td>
<td>720p</td>
</tr>
<tr>
<td>FPS</td>
<td>960 x 480</td>
<td>960 x 576</td>
</tr>
<tr>
<td>4ch</td>
<td>120/100</td>
<td>60/48</td>
</tr>
<tr>
<td></td>
<td>30/25</td>
<td>15/12</td>
</tr>
<tr>
<td>8ch</td>
<td>240/200</td>
<td>120/96</td>
</tr>
<tr>
<td></td>
<td>30/25</td>
<td>15/12</td>
</tr>
<tr>
<td>16ch</td>
<td>480/400</td>
<td>240/192</td>
</tr>
<tr>
<td></td>
<td>30/25</td>
<td>15/12</td>
</tr>
<tr>
<td><strong>LBV1511 Camera</strong></td>
<td><strong>LEV1512 Camera</strong></td>
<td></td>
</tr>
<tr>
<td>-------------------</td>
<td>-------------------</td>
<td></td>
</tr>
<tr>
<td><strong>Image Sensor:</strong></td>
<td>1/4&quot; 720p, 1 Megapixel</td>
<td>1/4&quot; 720p, 1.3 Megapixel</td>
</tr>
<tr>
<td><strong>Video Format:</strong></td>
<td>NTSC/PAL</td>
<td>NTSC / PAL</td>
</tr>
<tr>
<td><strong>Effective Pixels:</strong></td>
<td>H: 1280 V: 720</td>
<td>H: 1280 V: 720</td>
</tr>
<tr>
<td><strong>Resolution:</strong></td>
<td>720p</td>
<td>720p @ 25/30fps</td>
</tr>
<tr>
<td><strong>Scan System:</strong></td>
<td>Progressive</td>
<td>Progressive</td>
</tr>
<tr>
<td><strong>Sync System:</strong></td>
<td>Internal</td>
<td>Internal</td>
</tr>
<tr>
<td><strong>S/N Ratio:</strong></td>
<td>&gt; 65dB (AGC Off)</td>
<td>≥ 65dB (AGC Off)</td>
</tr>
<tr>
<td><strong>Iris:</strong></td>
<td>AES</td>
<td>AES</td>
</tr>
<tr>
<td><strong>AES Shutter Speed:</strong></td>
<td>1/60 (1/50) ~ 1/100,000 Sec.</td>
<td>1/60 (1/50) ~ 1/100,000s</td>
</tr>
<tr>
<td><strong>Min. Illumination:</strong></td>
<td>0.1 Lux without IR LED / 0 Lux with IR LED</td>
<td>0.8 Lux without IR LED / 0 Lux with IR LED</td>
</tr>
<tr>
<td><strong>Video Output:</strong></td>
<td>MPX</td>
<td>MPX</td>
</tr>
<tr>
<td><strong>Lens / Lens Type:</strong></td>
<td>3.6mm F2.5 / Fixed</td>
<td>3.6mm F2.5 / Fixed</td>
</tr>
<tr>
<td><strong>Field of View (Horizontal):</strong></td>
<td>55°</td>
<td>55°</td>
</tr>
<tr>
<td><strong>Termination:</strong></td>
<td>BNC Type</td>
<td>BNC Type</td>
</tr>
<tr>
<td><strong>IR LED Qty / Type:</strong></td>
<td>12 pieces / 850nm</td>
<td>850nm</td>
</tr>
<tr>
<td><strong>Night Vision Range:</strong></td>
<td>130ft (40m) / 90ft (28m)</td>
<td>112ft (34m) / 75ft (23m)</td>
</tr>
<tr>
<td><strong>Power Requirement:</strong></td>
<td>12V DC ±10%</td>
<td>12V DC ±10%</td>
</tr>
<tr>
<td><strong>Power Consumption:</strong></td>
<td>Max. 210mA (w/IR)</td>
<td>Max. 200mA (with IR)</td>
</tr>
<tr>
<td><strong>Operating Temp. Range:</strong></td>
<td>-22° ~ 122°F / -30° ~ 50°C</td>
<td>-22° ~ 140°F / -30° ~ 60°C</td>
</tr>
<tr>
<td><strong>Operating Humidity Range:</strong></td>
<td>&lt; 95% RH</td>
<td>&lt; 95% RH</td>
</tr>
<tr>
<td><strong>Environmental Rating:</strong></td>
<td>Both (IP66)</td>
<td>IP66 (Indoor / Outdoor)</td>
</tr>
<tr>
<td><strong>Weight (including stand):</strong></td>
<td>0.3lbs / 0.1kg</td>
<td>0.75lbs / 0.34kg</td>
</tr>
</tbody>
</table>
HIGH DEFINITION 720p SECURITY CAMERA SYSTEM

Specifications

Dimensions:

DVR

16 Channel DVR

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>
</tr>
</thead>
<tbody>
<tr>
<td>LHV0161TCB2P0M</td>
<td>16 ch DVR with 1TB HDD, 6 x LBV1511 Cameras, 2 x LEV1512 Cameras</td>
<td>Retail Box</td>
<td>342mm x 322mm x 317mm 13.5&quot; x 12.7&quot; x 12.5&quot;</td>
<td>18.2lbs / 8.2kg</td>
<td>1.2cft / 0.03cbm</td>
<td>6-95529-00737-3</td>
</tr>
</tbody>
</table>

DVR INCLUDES DVR with Pre-Installed HDD, HDMI Cable, Power Adapter, Mouse, Ethernet Cable, Quick Start Guides

LBV1511 - 6 PACK INCLUDES 6 x Cameras, 6 x Mounting kits, 6 x 60ft/18m BNC/Power Extension Cables, 6 x Power Adapters

LEV1512 - 2 PACK INCLUDES 2 x Cameras, 2 x Mounting kits, 2 x 60ft/18m BNC/Power Extension Cables, 2 x Power Adapters

Disclaimers:

DVR DISCLAIMERS:
1. Compatible with Lorex HD 720p wired cameras and standard analog cameras. For a list of compatible cameras please visit lorextechnology.com/support. Recording time may vary based on recording resolution and quality, lighting conditions and movement in the scene.
2. HDMI output (1920x1080) for high definition multi-channel live viewing only. 720p Recording resolution is limited to a maximum of 1280x720 per channel. Image quality and resolution are dependent on the type of camera connected to the DVR.
3. Requires a high speed internet connection and a router (not included). A minimum upload speed of 1Mbps is required for the best video performance. Up to 3 devices may connect to the system at the same time.
4. For the latest list of supported apps and devices, please visit www.lorextechnology.com/support

CAMERA DISCLAIMERS:
1. 720p cameras are compatible with Lorex's 720p & 1080p HD DVR recorders only.
2. Stated IR Illumination range is based on ideal conditions in typical outdoor night time ambient lighting and in total darkness. Actual range and image clarity depends on installation location, viewing area, and light reflection / absorption level of object. In low light, the camera will switch to black and white.
4. The extension cable must be a single stretch of cable between the DVR and camera. You cannot connect multiple extension cables to each other. For cable runs above 300ft(92m), you must connect the power adapter directly to the camera, rather than at the end of the extension cable.
5. Check product packaging to determine video format configuration.

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