VIEW YOUR WORLD IN FULL 1080p HD

Experience true 1080p high definition security video that captures every detail. Stay connected wherever you go with free smartphone and tablet apps.
FEATURES:

- True 1080p recording on all cameras
- 24/7 security-grade pre-installed hard drive
- Continuous, scheduled, and motion recording
- PTZ cameras supported, control camera movement through App
- H.264 video compression
- 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
- Pentaplex operation – view, record, playback, back up & remotely control the system simultaneously
- Automatic firmware upgrade over the Internet ensures your system is secure and up to date
- FLIR Cloud™ app with 3-Step setup
- PC and Mac compatible
- Instant mobile viewing on smartphones and tablets
- Motion push notifications and email alerts
- Dual streaming to conserve bandwidth
- Backwards compatible with standard analog cameras
**SYSTEM**

Operating System: Linux (embedded)

Pentaplex: Simultaneous view, record, playback, backup & remote monitoring

Number of Channels: 4/8/16 Channels - 1080p MPX, 720p MPX, or analog cameras supported

**INPUTS/OUTPUTS**

**Video IN:** 4/8/16

**Video OUT:**
- 4/8 ch: No
- 16 ch: Yes, 1 VGA & 1 HDMI

**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: 1920×1080 (HDMI), 1280×1024, 1024×768

PTZ Control: RS-485 Pelco D & P Protocol

**DISPLAY**


Live Display Speed: 4 ch: 120fps NTSC, 100fps PAL
- 8 ch: 240fps NTSC, 200fps PAL
- 16 ch: 480fps NTSC, 400fps PAL

OSD: ON/OFF

System Navigation: USB mouse, IR remote controller, front panel buttons

Motion Area Setting: Adjustable grid (22×18)

Sensitivity Levels: 100

Firmware: 4/8 ch: Automatic over the Internet & via USB device and network

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

Resolution NTSC: 4/8 ch: 1080p [1920×1080], 720p [1280×720], 960x480, 704x240, 352x480, 704x240, 352x240, 176x120

Resolution PAL: 4/8 ch: 1080p [1920×1080], 720p [1280×720], 960x576, 704x288, 352x288, 176x144

Recording Frame Rate: NTSC: 4 ch: 60fps@1080p / 120fps@720p
- 8 ch: 120fps@1080p / 240fps@720p
- 16 ch: 240fps@1080p / 480fps@720p

PAL: 4 ch: 48fps@1080p / 100fps@720p
- 8 ch: 96fps@1080p / 200fps@720p
- 16 ch: 192fps@1080p / 400fps@720p

Recording Resolution Setting: Per camera for different resolutions

Audio Quality Control: 6 Levels

Recording Schedule: 4/8 ch: By hour, by day, by recording mode, by motion, by channel

16 ch: By hour, by day, by recording mode, by motion, by alarm, by channel

Pre Recording: Max. 30 seconds

Post Recording: Max. 5 minutes / Min. 10 seconds

Reliability: WatchDog, auto-recovery after power failure

Cover Video: Yes

**PLAYBACK**

Playback Channel: 4 ch: 1/4

8 ch: 1/4/8

16 ch: 1/4/8/16

Playback Speed: Variable

Variable Max 4x

Playback Players: Backup Player

Search: 4/8 ch: By time & event

16 ch: By time / date, MD & exact search

(accurate to second)

Log Search: Up to 1,000 lines for motion detected, configuration changes, connects / disconnects & video loss

Audio Play: Yes

**STORAGE & ARCHIVE**

Storage: Up to 1 HDD (SATA)

Maximum Capacity: Up to 1 x 4TB

Backup Media: 4/8 ch: USB Flash Drive & HDD

16 ch: USB Flash Drive, HDD & Network

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: Test with snapshot

Instant Smartphone: FLIR Cloud™ iPad®, iPhone®, Android™ apps

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, PPPOE, DDNS, FTP, IP

Network Interface: 10/100Base-TX, RJ45

Network Bit Rate: 4/8 ch: 48Kb ~ 8Mbps per camera

16 ch: 96Kb ~ 4096Kbps per camera

**GENERAL**

Power Consumption: Approx. 10 Watts (no HDD included)

Supply Voltage: 4/8 ch: 100VAC, 240VAC, 12VDC, 2A, 50/60Hz

16 ch: 100VAC, 240VAC, 12VDC, 3A, 50/60Hz

Unit Dimensions (W × D × H): 4/8 ch: 12.8 × 9.6 × 2.0” / 325 × 245 × 50mm

16 ch: 12.8 × 10.0 × 2.2” / 325 × 255 × 55mm

Unit Weight (lb / kg): 3.3lb / 1.5kg (without HDD)

Operating Temperature: 32° ~ 104°F / 0° ~ 40°C

Humidity: 10 ~ 90% RH

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

<table>
<thead>
<tr>
<th>FPS (NTSC/PAL)</th>
<th>720p</th>
<th>1080p</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 ch: Total</td>
<td>120/100</td>
<td>60/48</td>
</tr>
<tr>
<td>By channel:</td>
<td>30/25</td>
<td>15/12</td>
</tr>
<tr>
<td>8 ch: Total</td>
<td>240/200</td>
<td>120/96</td>
</tr>
<tr>
<td>By channel:</td>
<td>30/25</td>
<td>15/12</td>
</tr>
<tr>
<td>16 ch: Total</td>
<td>480/400</td>
<td>240/192</td>
</tr>
<tr>
<td>By channel:</td>
<td>30/25</td>
<td>15/12</td>
</tr>
</tbody>
</table>
**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>DV7041</td>
<td>4 ch HD DVR with 1TB HDD</td>
<td>Brown Box</td>
<td>14.8 × 4.5 × 12.2&quot; 371 × 114 × 310mm</td>
<td>5.3lbs / 2.4kg</td>
<td>0.6cft / 0.01cbm</td>
<td>6-95529-00393-1</td>
</tr>
<tr>
<td>DV7082</td>
<td>8 ch HD DVR with 2TB HDD</td>
<td>Brown Box</td>
<td>14.8 × 4.5 × 12.2&quot; 371 × 114 × 310mm</td>
<td>5.8lbs / 2.6kg</td>
<td>0.6cft / 0.01cbm</td>
<td>6-95529-00394-8</td>
</tr>
<tr>
<td>DV7163</td>
<td>16 ch HD DVR with 3TB HDD</td>
<td>Brown Box</td>
<td>14.8 × 4.5 × 12.2&quot; 371 × 114 × 310mm</td>
<td>6.2lbs / 2.8kg</td>
<td>0.6cft / 0.01cbm</td>
<td>6-95529-00395-5</td>
</tr>
</tbody>
</table>

**INCLUDES** HD DVR with Pre-Installed HDD, HDMI Cable, Remote Control, Power Adapter, Mouse, Ethernet Cable, Quick Start Guides.

**Disclaimers:**

1. Compatible with Lorex 1080p & 720p wired HD cameras as well as standard analog cameras. For a list of compatible cameras, please visit www.lorextechnology.com/support.
2. Recording time may vary based on recording resolution & quality, lighting conditions and movement in the scene.
3. HDMI output (1920×1080) HD for high definition multi-channel live viewing only. 1080p recording resolution is limited to a maximum of 1920-1080 per channel. Image quality and resolution is dependent on the type of camera connected to the DVR.
4. Requires a high speed internet connection and a router (not included). A minimum upload speed of 2Mbps is required for the best video performance. Up to 2 devices may connect to the system at the same time.
5. For the latest list of supported apps and devices, please visit www.lorextechnology.com/support

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