VIEW YOUR WORLD IN 4K ULTRA HD

Record outstanding 4K Ultra High Definition video with exceptional video resolution & quality. Stay connected to what matters most from anywhere in the world with Lorex Cloud™ apps for smartphones and tablets.

8/16 Channels  1-8TB HDD  4K 8MP Ultra HD Resolution
FEATURES:

• True 4K Ultra HD recording on all cameras ¹
• 24/7 security-grade pre-installed hard drive
• Continuous, scheduled, and motion recording
• H.264+ video compression reduces data bandwidth requirements for efficient data storage, reduced network load for easy remote connectivity
• HDMI output (HDMI cable included) for simple connection to HD TVs ²
• 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 over the Internet ensures your system is secure and up to date ³
• Lorex Cloud™ app with 3-Step setup ⁴ connects all your cameras and systems from any iOS or Android smartphone and tablet
• Motion push notifications and email alerts
• Dual streaming to conserve bandwidth
• Backward compatible with standard analog cameras
4K ULTRA HIGH DEFINITION DIGITAL VIDEO SURVEILLANCE RECORDER

Specifications

LOREX®

DV900 Series DVRs

www.lorex.com

SYSTEM

Operating System Linux (embedded)

Pentaplex Simultaneous View, Record, Playback, Backup & Remote Monitoring

Number of Channels 8/16 ch

INPUTS/OUTPUTS

Video IN 8/16 x 1Vpp, CVBS, 75ohms, BNC

Video OUT No

VGA OUT Yes

HDMI Yes

Audio IN 1 lines IN [RCA]

Audio OUT 1 line OUT [RCA]

USB Port 1 at the back, 1 at the front

Alarm IN None

Alarm OUT None

Video Output Resolution 8/16 ch: HDMI: 3840×2160; 2560×1440; 1920×1200; 1600×1200; 1680×1050; 1920×1080; 1440×900; 1280×1024; 1280×720; 1024×768

PTZ control RS-485 Pelco D & P Protocol

DISPLAY

Live Display 8 ch: 1, 4, 8

16 ch: 1, 4, 8, 9, 16

Live Display Speed 8 ch: 240 NTSC, 200 PAL

16 ch: 480 NTSC, 400 PAL

OSD ON/OFF

System Navigation USB Mouse, IR Remote Controller, Front Panel

Motion Area Setting Fixed Grid 396 pixels [22×18] NTSC/PAL

Sensitivity 100

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* 4K/8MP (3840×2160), 2K/4MP (2688×1520), 3MP (2304×1296), 1080p (1920×1080), 720p (1280×720), 960x480, 704x480, 352x480, 704x240, 352x240, 176x120

Recording Frame Rate 4K/7fps (per ch), 4MP/15fps (per ch), 3MP/1080p/720p/960H: 30fps [NTSC]

Recording Resolution Setting Per camera for different resolutions

Recording Quality Control 6 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 Watch-Dog, Auto-recovery after power failure

Covert Video Yes

PLAYBACK

Playback Channel 8 ch: 1 / 4 / 8

16 ch: 1 / 4 / 9 / 16

Playback Speed Variable Max 4x

Playback Players Backup Player

Search By Time/Date & Motion Event

Log Search Up to 1000 lines for system, configuration changes, motion/alarm detected, account, record & storage

Audio Play Yes

STORAGE & ARCHIVE

Storage Up to 1 HDD [SATA]

Maximum Capacity Up to 1 x 8TB

Backup Media USB Flash Drive & HDD

Backup File Format DAV/ASF file

CONNECTIVITY

Cloud Connection Lorex Cloud™ Connectivity

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™ apps

DDNS None

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 10/100BaseTX, RJ45

Network Bit Rate Max 64Mbps

GENERAL

Power Consumption Approx. 10 watts (no HDD included)

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

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

Unit Dimensions 12.8 × 10.0 × 2.2” / 325 × 255 × 55mm

Unit Weight (KGs) 3.3lb / 1.5kg (without hard drive)

Operating temperature 14°F ~ 130°F / -10°C ~ 55°C

Humidity 10 ~ 90% RH

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

<table>
<thead>
<tr>
<th></th>
<th>4K (8MP) Ultra HD</th>
<th>2K (4MP) Super HD</th>
<th>3MP, 1080p, 720p, 960H</th>
</tr>
</thead>
<tbody>
<tr>
<td>8ch Total</td>
<td>56/47</td>
<td>120/96</td>
<td>240/200</td>
</tr>
<tr>
<td>Per channel</td>
<td>7/6</td>
<td>15/12</td>
<td>30/25</td>
</tr>
<tr>
<td>16ch Total</td>
<td>112/90</td>
<td>240/192</td>
<td>480/400</td>
</tr>
<tr>
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<td>15/12</td>
<td>30/25</td>
</tr>
</tbody>
</table>

*4K & 4MP High Definition MPX cameras are required to take advantage of 4K & 4MP recording.
**Product Information**

**MODEL** | **CONFIGURATION** | **PACKAGE** | **W × D × H Inches & mm** | **WEIGHT** | **CUBE** | **UPC Code**
--- | --- | --- | --- | --- | --- | ---
DV9081 | 8CH 4K (8MP) ULTRA HD DVR WITH 1 TB HDD | Brown Box | 14.6 × 4.5 × 12.2” 371 × 115 × 310mm | 5.95 lb / 2.70 kg | 0.46cft / 0.01cbm | 6-95529-01788-4
DV9082 | 8CH 4K (8MP) ULTRA HD DVR WITH 2 TB HDD | Brown Box | 14.6 × 4.5 × 12.2” 371 × 115 × 310mm | 5.95 lb / 2.70 kg | 0.46cft / 0.01cbm | 6-95529-01525-5
DV9162 | 16CH 4K (8MP) ULTRA HD DVR WITH 2 TB HDD | Brown Box | 14.6 × 4.5 × 12.2” 371 × 115 × 310mm | 5.95 lb / 2.70 kg | 0.46cft / 0.01cbm | 6-95529-01529-3
DV9163 | 16CH 4K (8MP) ULTRA HD DVR WITH 3 TB HDD | Brown Box | 14.6 × 4.5 × 12.2” 371 × 115 × 310mm | 5.95 lb / 2.70 kg | 0.46cft / 0.01cbm | 6-95529-01594-1

**INCLUDES** | 1 × 4K Ultra HD DVR with pre-installed HDD, 1 × HDMI cable, 1 × Ethernet cable, 1 × DVR power adapter, 1 × Remote control, 1 × Mouse, Quick setup guide

**Disclaimers:**

1. Compatible with select 4K (8MP), 2K (4MP), 1080p and 720p MPX cameras and standard analog cameras. For a full list of compatible cameras and additional information, please visit [www.lorextechnology.com/compatibility](http://www.lorextechnology.com/compatibility).

2. Recording time may vary based on recording resolution & quality, lighting conditions and movement in the scene.

3. HDMI output up to 4K (8/16ch), VGA output is 1080p for all models. Up to 4K (8MP) recording resolution is limited to a maximum of 4K (8MP) per channel. Image quality and resolution is dependent on the type of camera connected to the DVR. VGA output is limited to 1080p resolution.

4. Requires a high speed internet connection and a router (not included). A minimum upload speed of 3.5Mbps is required for the best video performance. Up to 2 devices may connect to the system at the same time.

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