

WATCH OVER YOUR WORLD FROM ANYWHERE IN THE WORLD



PREMIUM SERIES
8 CHANNELS
8 CAMERAS
1 TB HDD
700 TVL RESOLUTION
130/90 FT NIGHT VISION
960H
STRATUS CONNECTIVITY

Remote Connectivity & Compatibility



- HASSLE-FREE REMOTE MONITORING
- ACCESS FROM SMARTPHONE, TABLET, PC & MAC
- 960H REAL-TIME RECORDING
- SUPERIOR RESOLUTION
- POLYCARBONATE PROTECTED

LOREX SECURITY CAMERA SYSTEM VIEW YOUR WORLD[®]



FULL 960H REAL-TIME RECORDING

Experience 960H super resolution recording that offers clear, true-to-life, non-stretched images, all in Real-Time.

BUILT TO LAST

Polycarbonate cameras are strong, lightweight, weatherproof and vandal resistant with cable pass-through brackets.

PROFESSIONAL GRADE

24/7 100% duty cycle hard drive ensures your higher resolution footage is recorded safely and securely.

STRATUS SOLUTION

Innovative hassle-free cloud connection. Download free App, scan QR code and start viewing your world securely online!

Complete setup with your Smartphone or tablet, no PC required.†



VANTAGE

LH150 ECO4 SERIES

www.lorexttechnology.com

DIGITAL VIDEO RECORDER:

- 960H (960x480) recording resolution, D1/2CIF/CIF supported
- H.264 video compression ¹
- Real time recording 30fps per channel: 8ch @ full 960H (960 x 480)
- 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), controllable remotely via App
- LOREX Stratus Solution - Quick & simple internet cloud connectivity ²
- Instant Mobile Viewing on compatible Smart Phones & Tablets [†]
- PC and Mac compatible
- Instant email alerts with snap shot attachment
- Accurate Time Stamps with NTP & Daylight Savings Time

ADDITIONAL FEATURES:

- You don't have to be a wiz to set up your system. Lorex Stratus Connectivity provides the fastest and simplest connectivity option using your mobile device in three easy steps.
- Advanced controls via free Lorex ECO Stratus app: multi-channel live viewing, single channel search and playback, video and snap shot recording directly to your mobile device and PTZ controls.
- Automatic firmware upgrade. The DVR will check for the latest firmware available assuring you that your system is secure and up to date. * - *Both firmware and software must be updated to latest version to ensure remote connectivity. Always update to the latest software (available at www.lorexttechnology.com) after upgrading the DVR firmware.
- Record on a reliable 24/7 100% duty HDD (Hard Disc Drive) that is designed for surveillance purposes.
- Customize the recording settings to fit your needs. Record at 960H (960x480) for highest resolution or set to a lower resolution for extended recording time.
- Unique continuous recording with motion activated visual alerts inform you when motion is detected (e.g. when someone enters your store). No longer do you have to make a choice between continuous or motion recording options.
- HDMI output for convenient connection to HDTVs. ** - **High definition recording not supported, recording resolution is limited to a maximum of 960x480 per channel. Image quality and resolution is dependent on the type of camera connected to the DVR.
- A total of 3 video outputs (HDMI, VGA, and BNC) allow you to connect to multiple monitors simultaneously, ideal for setting up public view monitors in a business application.
- Dependable time stamps – your DVR will always record with accurate time stamps thanks to Lorex NTP (Network Time Protocol) that automatically synchronizes with the atomic clock.
- Day Light Savings mode - no need to remember to change the time, the system will do it for you automatically.
- Lorex DDNS (Dynamic Domain Name Service) available as an optional connectivity method for advanced users. Router port-forwarding required.
- Intuitive user interface with a simple Copy feature allowing you to copy your settings from one camera to all cameras saving you time when programming your DVR.
- Digital zoom allows you to get a closer view while in live viewing full screen mode.



LOREX[®]
VIEW YOUR WORLD[®]

SECURITY CAMERA SYSTEM



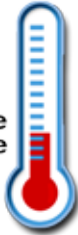
960 H



SEE IT ALL - IN GREATER DETAIL

- ▶ POLYCARBONATE PROTECTED
- ▶ BRIGHT-NIGHT VIEWING
- ▶ EXTREME TEMPERATURE OPERATION

**Extreme
Temperature
Performance**
(-22° ~ 122°F / -30 ~ 50°C)



POLYCARBONATE



PROTECTED

960H RESOLUTION

Providing 34% more detail than standard D1 resolution and a 500% increase over CIF, delivering a sharper, non-distorted image with a true-to-life aspect ratio.

BUILT TO LAST

Durable, light and impact resistant, the Polycarbonate housing is made to withstand the elements.

RELIABILITY IN THE EXTREME

Patented ImageCool™ Technology ensures optimal performance in extreme temperatures (-22° ~ 122°F).

VANDAL-RESISTANT

Designed with a cable pass-through bracket and a removable camera base for ease of installation.

PREMIUM SERIES
700 TVL
130/90ft NIGHT VISION
INDOOR/OUTDOOR
960H

Ambient Lighting	Total Darkness		
130FT	90FT	+34%	960H
<ul style="list-style-type: none"> ✓ Higher resolution ✓ True aspect ratio ✓ Sharper picture 			

VANTAGE

LH150 ECO4 SERIES

www.lorexttechnology.com

CAMERA FEATURES:

- 700TVL Resolution using an advanced new 960H optimized Image Sensor
- Lightweight yet extremely durable Polycarbonate housing
- Integrated automatic Infrared Cut Filter (ICR) ensures accurate color representation in all lighting conditions
- Night vision range up to 130ft (40m) in ambient lighting & up to 90ft (28m) away in total darkness ³
- BrightNight viewing with enhanced low light image sensor
- Close-up recognition at night with auto light compensation prevents wash-out effect
- Day/Night mode: Picture automatically switches to B&W delivering better clarity in low light conditions
- Modern two-tone design - residential and business friendly
- Split glass design minimizes IR reflection
- Anti-glare feature ensures clear images under strong lighting conditions
- Reliable camera operation coupled with patented ImageCool™ technology ensures optimal performance in extreme temperatures (-22° ~ 122°F / -30° ~ 50°C)
- 3.6mm wide-angle lens captures a 80° diagonal field of view
- Vandal resistant design with cable pass-through bracket
- Ideal for outdoor & indoor applications (IP66 Rated) ⁴
- Removable camera base and integrated 3ft camera cable for flexible installation
- Versatile mounting options: ceiling, counter or wall mountable
- 60ft BNC/Power extension cable included per cameras
- Energy-efficient CEC (California Energy Commission) compliant power adapter included



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¹ Monitor is not included

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SECURITY CAMERA SYSTEM

CAMERA FEATURES:

Polycarbonate Protected
Durable & Lightweight



Accurate Colors



Vandal Resistant
Versatile Installation



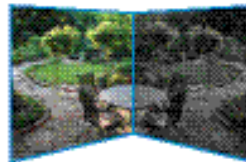
Anti-glare



Extreme Temperature Operation



Clear Day & Night



Long Range Night Vision



Indoor/Outdoor



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SECURITY CAMERA SYSTEM

Specifications

DVR 8ch (LH1581001):

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 1Vpp, CVBS, 75ohms, BNC
Video OUT	8/16 1 x BNC
VGA OUT	Yes
HDMI	Yes. Video and Audio
Audio IN	8 line IN (RCA), G.711 (8 ch), 4 line in(RCA), G.711 (16 ch)
Audio OUT	1 line OUT (RCA), G.711
USB Port	1 at the back, 1 at the front
Alarm IN	8 ch IN
Alarm OUT	1 ch OUT
Video Output Resolution	800x600, 1024x768, 1280x1024, 1440x900, HDMI (1920x1080)
PTZ control	RS-485 Pelco D & P Protocol

Display

Live Display	8 ch: 1, 4, 8 16 ch: 1, 4, 9, 16
Live Display Speed	240fps (8 ch)/ 480 fps (16 ch) NTSC 200fps (8 ch)/ 400fps (16 ch) PAL
OSD	ON/OFF
System Navigation	USB Mouse, IR Remote Controller, Front Panel
Motion Area Setting	Adjustable grid (30x44) NTSC Adjustable grid (36x44) PAL
Sensitivity levels	8
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: 960H: 960x480, 960x240, 480x240 D1 mode: 720x480(D1), 720x240(2CIF), 360x240(CIF) PAL: 960H: 960x576, 960x288, 480x288 D1 mode: 720x576(D1), 720x288(2CIF), 360x288(CIF)
Recording Speed 8ch:	NTSC: 960H: 240fps @ 960x480, 960x240 & 480x240 D1 mode: 240fps @ D1, 2CIF & CIF PAL: 960H: 200fps @ 960x576, 960x288 & 480x288 D1 mode: 200fps @ D1, 2CIF & CIF
Recording Speed 16ch:	NTSC: 960H: 480fps @ 480x240, 160fps @ 960x480 & 960x240 D1 mode: 480fps @ CIF, 224 fps @ D1 & 2CIF PAL: 960H: 400fps @ 480x288, 144fps @ 960x576 & 960x288 D1 mode: 400fps @ CIF, 192fps @ D1 & 2CIF
Recording Resolution Setting	Per camera for different resolutions
Recording Quality Control	3 levels
Recording Schedule	By hour, by day, by recording mode, by motion, by alarm, by ch
Pre Recording	Max. 10 Secs
Post Recording	Max. 5 Minutes
Reliability	Watch-Dog, Auto-recovery after power failure
Covert Video	Yes

PLAYBACK

Playback Channel	1~8 Adjustable (8 ch), 1~16 Adjustable (16 ch)
Playback Speed	Variable Max 16x
Playback Players	Backup Player
Search	By time & event
Log Search	Up to 10,000 lines for alarm activated, motion detected, configuration changes, connects/disconnects and video loss.
Audio Play	Yes

STORAGE & ARCHIVE

Storage	8 ch: Up to 1 HDD's (SATA) 16 ch: Up to 2 HDD's (SATA)
Maximum Capacity	8 ch: up to 1x 2TB 16 ch: up to 2x 2TB
Backup Media	USB Flash Drive & HDD
Backup File Format	H.264 file (AVI generator included)

CONNECTIVITY

Cloud Connection	Lorex Stratus Connectivity
Supported Operating Systems	Windows™ 7, 8 Mac OSX Snow Leopard 10.6 or above
Remote Software	Client Software (PC) & Safari 6.0 (Mac)
Email notification	Text with snapshot
Instant Smart Phone Compatibility†	Smart Phone & Tablet Compatibility: iPad®, iPhone®, Android (version 2.2 & above)
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	Approx. 10 watts (no HDD included)
Supply Voltage	8 ch: 100VAC-240VAC, 12VDC, 2A, 50/60Hz 16 ch: 100VAC-240VAC, 12VDC, 5A, 50/60Hz
Unit Dimensions (W x D x H)	8 ch: 11.8" / 300mm x 9.9" / 251mm x 2.4" / 60mm 16 ch: 14.9" / 340mm x 13.3" / 340mm x 1.9" / 50mm
Unit Weight (KGs)	8 ch: 1.7 kg / 3.75 Lbs 16 ch: 3 kg / 6.6 Lbs
Operating temperature	32° ~ 104° F / 0° ~ 40° C
Humidity	10 ~ 90% NC

CAMERA (CVC7711PK4B):

Image Sensor	1/3" 960H Advanced Image Sensor
Video Format	NTSC
Effective Pixels	H: 960 V: 480
Resolution	700 TV Lines
Scan System	2:1 Interlace
Sync System	Internal
S / N Ratio	48dB (AGC Off)
Iris	AES
AES Shutter Speed	1/60 ~ 1/25,000 sec.
Min. Illumination	0.1 Lux without IR LED, 0 Lux with IR LED
Video Output	Composite 1.0Vpp @ 75ohm
Lens / Lens Type	3.6mm F2.0 / Fixed
FOV (Diagonal)	80°
Termination	BNC Type
IR LED Qty. / Type	18 pieces / 850nm
Night Vision Range	130ft (40m) / 90ft (28m)
Power Requirement	12V DC ±10%
Power Consumption	Max. 260mA (w / IR)
Operating Temp. Range	14° ~ 122°F / -10° ~ 50°C
Operating Humidity Range	< 90% RH
Environmental Rating	IP66
Weight (including stand)	0.6lbs / 0.2kg

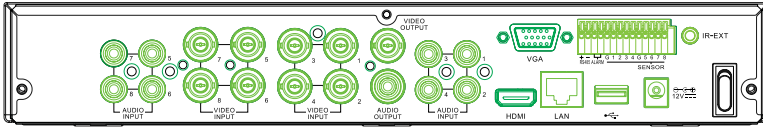
VANTAGE

LH150 ECO4 SERIES

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DVR Inputs & Outputs

8 Channel DVR

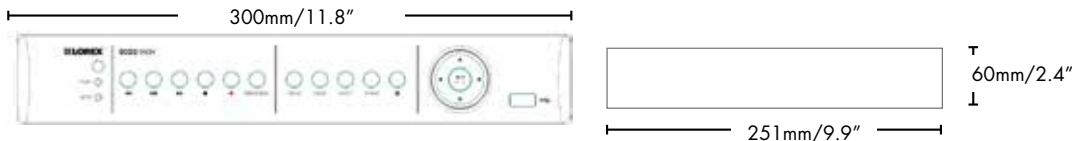


Product Information:

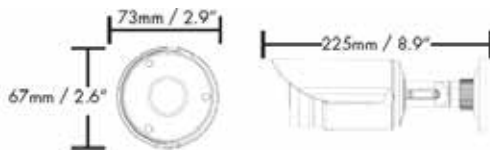
MODEL	CONFIGURATION	PACKAGE	W x D x H Inches & mm	WEIGHT	CUBE	UPC Code
LH1896	8 ch ECO4 DVR with 1TB HDD, 8 x 700TVL Cameras (CVC7711PK4B)	Retail English Package	482mm x 304mm x 342mm 19" x 12" x 13.5"	9.8 kg/ 21.65 lbs	0.011cbm / 0.39cbf	7-78597-18960-5
LH1896F	8 ch ECO4 DVR with 1TB HDD, 8 x 700TVL Cameras (CVC7711PK4B)	Retail Universal Package	482mm x 304mm x 342mm 19" x 12" x 13.5"	9.8 kg/ 21.65 lbs	0.011cbm / 0.39cbf	7-78597-01896-7
DVR PACK INCLUDES	DVR with Pre-Installed HDD, HDMI Cable, Remote Control, Power adapter, Mouse, Ethernet Cable, Quick Start Guide & Software CD.					
CAMERA PACK INCLUDES	8 x Cameras, 8 x 60ft, BNC/Power Extension Cable, 2 x 4 in 1 Camera Power Adaptors, Quick Start Guide.					

Dimensions:

8 Channel DVR



CVC711PK4B Camera



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). An upload speed of 1Mbps is recommended for the best video performance. Up to 3 devices may connect to the system at the same time.
 3. 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.
 4. Not intended for submersion in water. Installation in a sheltered location recommended.
- * If light level is too low, camera will switch over to B/W for increased light sensitivity.
 † Smart Phone & Tablet Compatibility: iPad®, iPhone®, Android (version 2.2 & above). Mobile phone data plan is required (not included). For the latest compatibility list check www.lorextechnology.com as new models become available in the market.

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