



TRUE HIGH DEFINITION 1080p SECURITY DIGITAL VIDEO RECORDER



VIEW YOUR WORLD IN TRUE HD

Experience true High Definition TV quality video. Stay connected where ever you go with smart phone and tablet apps.



FLIR Cloud™

Available on the
App Store

GET IT ON
Google play

4/8/16 Channels 1-2TB_{HDD} 1080_P

LHV2000 Series DVRs

www.lorextechnology.com

FEATURES:

- True 1080p recording on all cameras ¹
- 24/7 security-grade hard drive
- Continuous, scheduled and motion recording
- PTZ cameras supported, remote control through App ¹
- H.264 video compression ²
- HDMI output (HDMI cable included) for simple connection to HDTVs ³
- 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 ⁴
- PC and Mac compatible ⁴
- Instant mobile viewing on smartphones and tablets ⁵
- Advanced apps with live viewing, playback, video recording, and snap shot
- Motion push notifications and email alerts
- Dual streaming to conserve bandwidth
- Backward compatible with standard analog cameras



SYSTEM

Operating System	Linux (embedded)
Pentaplex	Simultaneous View, Record, Playback, Backup & Remote Monitoring
Number of Channels	4/8/16 ch — 1080p MPX, 720p HD, or analog cameras supported

INPUTS/OUTPUTS

Video IN	4/8/16 x 1Vp-p, 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, IR Remote Controller, Front Panel
Motion Area Setting	Adjustable grid (22x18)
Sensitivity levels	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	NTSC: 1080p (1920x1080), 720p (1280x720), 960x480, 704x480, 352x480, 704x240, 352x240 PAL: 1080p (1920x1080), 720p (1280x720), 960x576, 704x576, 352x288
Recording Frame Rate	NTSC: 4 ch: 60fps@1080p / 120fps @720p 8 ch: 120fps @1080p / 240fps @720p 16 ch: 240fps @ 1080p / 480p @ 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
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	4 ch: 1 / 4 8 ch: 1 / 4 / 8 16 ch: 1 / 4 / 9 / 16
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	Yes

STORAGE & ARCHIVE

Storage	LHV2104 / LHV2108 / LHV2116: Up to 1 HDD's (SATA) LHV2216: Up to 2 HDD's (SATA)
Maximum Capacity	LHV2104 / LHV2108 / LHV2116: Up to 1x4TB LHV2216: Up to 2x4TB
Backup Media	USB Flash Drive & HDD
Backup File Format	DAV or ASF file

CONNECTIVITY

Cloud Connection	Flir Cloud™
Supported Operating Systems	Windows™ Mac OS X
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, PPPoE, DDNS, FTP, IP
FilterNetwork Interface	10/100Base-TX, RJ-45
Network Speed Control	48Kb ~ 8MB/sec. per camera

GENERAL

Power Consumption	Approx. 10 watts (no HDD included)
Supply Voltage	LHV2104 / LHV2108: 100VAC-240VAC, 12VDC, 2A, 50/60Hz LHV2116: 100VAC-240VAC, 12VDC, 3A, 50/60Hz LHV2216: 100VAC-240VAC, 12VDC, 5A, 50/60Hz
Unit Dimensions	LHV2104 / LHV2108 / LHV2116: 12.8" x 10.0" x 2.2" / 325mm x 255mm x 55mm LHV2216: 14.8" x 11.5" x 1.8" / 375mm x 292mm x 46mm
Unit Weight (KGs)	LHV2104 / LHV2108 / LHV2116: 3.3lbs / 1.5kg LHV2216: 3.9lbs / 1.8kg
Operating temperature	32° ~ 104° F / 0° ~ 40° C
Humidity	10 ~ 90% RH

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

		720p	1080p
		1280x 720	1920x 1080
4ch	Total	120/100	60/48
	Per channel	30/25	15/12
8ch	Total	240/200	120/96
	Per channel	30/25	15/12
16ch	Total	480/400	240/192
	Per channel	30/25	15/12

DVR Inputs & Outputs

4 Channel DVR



8 Channel DVR



16 Channel DVR (LHV2116)



16 Channel DVR (LHV2216)



Dimensions:

LHV2104 / LHV2108 / LHV2116:



LHV2216:



Product Information:

MODEL	CONFIGURATION	PACKAGE	W x D x H Inches & mm	WEIGHT	CUBE	UPC Code
LHV21041T	4 ch DVR with 1TB HDD	Brown Box	14.5" x 5.9" x 12.2" 368mm x 149mm x 309mm	4.9lbs / 2.2kg	0.6cft / 0.01cbm	6-95529-00087-9
LHV21041TP	4 ch DVR with 1TB HDD	Brown Box	14.5" x 5.9" x 12.2" 368mm x 149mm x 309mm	4.9lbs / 2.2kg	0.6cft / 0.01cbm	6-95529-00511-9
LHV21042T	4 ch DVR with 2TB HDD	Brown Box	14.5" x 5.9" x 12.2" 368mm x 149mm x 309mm	5.0lbs / 2.2kg	0.6cft / 0.01cbm	6-95529-00088-6
LHV21081T	8 ch DVR with 1TB HDD	Brown Box	14.5" x 5.9" x 12.2" 368mm x 149mm x 309mm	5.0lbs / 2.2kg	0.6cft / 0.01cbm	6-95529-00090-9
LHV21082T	8 ch DVR with 2TB HDD	Brown Box	14.5" x 5.9" x 12.2" 368mm x 149mm x 309mm	5.0lbs / 2.2kg	0.6cft / 0.01cbm	6-95529-00091-6
LHV21162T	16 ch DVR with 2TB HDD	Brown Box	14.5" x 5.9" x 12.2" 368mm x 149mm x 309mm	5.0lbs / 2.2kg	0.6cft / 0.01cbm	6-95529-00352-8
LHV22162T	16 ch DVR with 2TB HDD	Brown Box	17.3" x 5.5" x 14.2" 439mm x 139mm x 360mm	6.6lbs / 2.9kg	0.7cft / 0.01cbm	6-95529-00326-9
INCLUDES	DVR with Pre-Installed HDD, HDMI Cable, Remote Control, Power Adapter, Mouse, Ethernet Cable, Quick Start Guides.					

Disclaimers:

- Compatible with Lorex 1080p and 720p wired HD cameras only. For a list of compatible cameras, please visit www.lorextechnology.com/support. Recording time may vary based on recording resolution and quality, lighting conditions and movement in the scene.
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- HDMI output (1920x1080) HD for high definition multi-channel live viewing only. 1080p Recording resolution is limited to a maximum of 1920x1080 per channel. Image quality and resolution is dependent on the type of camera connected to the DVR.
- 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 2 devices may connect to the system at the same time.
- For the latest list of supported apps and devices, please visit www.lorextechnology.com/support

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