

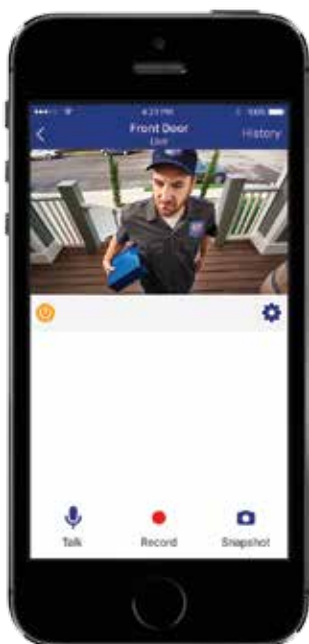
LOREX[®]

HIGH DEFINITION 1080p SECURITY DIGITAL VIDEO RECORDER



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.



4/8/16 Channels 1-6TB_{HDD} 1080_P

FEATURES:

- True 1080p 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
- FLIR Secure™ or Lorex Secure™ app with 3-Step setup connects all your cameras and systems from any iOS or Android smartphone or tablet ⁴
- Motion push notifications and email alerts
- Dual streaming to conserve bandwidth
- Backward compatible with standard analog cameras



USE ONE APP TO WATCH IT ALL

Get set up in an instant and stay connected with the FLIR Secure™ or Lorex Secure™ app. Enjoy remote live viewing, review videos, and get important motion and sound alerts on-the-go. The app connects all your cameras and systems from any iOS or Android smartphone or tablet.



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	4 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	4/8/16 ch: HDMI: 1920x1080; 1440x900; 1280x1024; 1280x720; 1024x768
PTZ control	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	Fixed Grid NTSC (44x30) / PAL (44x36)
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	1080p/720p/960H (NTSC)
Recording Frame Rate	1080p/15fps, 720p/960H 30fps
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. 2 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 16x
Playback Players	Backup Player
Search	By Time/Date & Motion Event
Log Search	Up to 4000 lines for system, configuration changes, motion/alarm detected, account, record & storage
Audio Play	Yes

STORAGE & ARCHIVE

Storage	4/8/16ch: Up to 1 HDD (SATA)
Maximum Capacity	4/8/16ch: Up to 1 x 6TBB
Backup Media	USB Flash Drive & HDD
Backup File Format	H.264 / MP4 / AVI file

CONNECTIVITY

Cloud Connection	FLIR Secure™ or Lorex Secure™ app with FLIR Cloud™ Connectivity
Supported Operating Systems	Windows™ / Mac OSX with FLIR Cloud app
Remote Software	Client Software (PC) & Safari (Mac)
Email notification	Text with snapshot
Instant Smart Phone & Tablet Support †	iPad®, iPhone®, Android™
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
FilterNetwork Interface	10/100 Base-TX, RJ-45
Network Speed Control	Max 64Mbps

GENERAL

Power Consumption	Approx. 7.08 watts (no HDD included)
Supply Voltage	100VAC-240VAC, 12VDC, 2A, 50/60Hz
Unit Dimensions	4/8/16ch: 12.1" x 8.3" x 2.0" 310mm x 210mm x 50mm
Unit Weight (KGs)	4/8/16ch: 2.6lb / 1.2kg (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)

		2MP (1080p)
		1920x 1080
4ch	Total	60/50
	Per channel	15/12
8ch	Total	120/100
	Per channel	15/12
16ch	Total	240/200
	Per channel	15/12

DVR Inputs & Outputs

8 Channel DVR



16 Channel DVR



*4 Channel DVR will have respective number of video inputs.

Dimensions:

DVR



Product Information:

MODEL	CONFIGURATION	PACKAGE	W x D x H Inches & mm	WEIGHT	CUBE	UPC Code
LHA21041T	4CH 1080P HD DVR WITH 1TB HDD	Brown Box	16.5 x 10.6 x 3.9" 420 x 270 x 100mm	4.06 lb / 1.84 kg	0.6cft / 0.01cbm	6-95529-01239-1
LHA21081T	8CH 1080P HD DVR WITH 1TB HDD	Brown Box	16.5 x 10.6 x 3.9" 420 x 270 x 100mm	4.06 lb / 1.84 kg	0.6cft / 0.01cbm	6-95529-01061-8
LHA21162T	16CH 1080P HD DVR WITH 2TB HDD	Brown Box	16.5 x 10.6 x 3.9" 420 x 270 x 100mm	4.06 lb / 1.84 kg	0.6cft / 0.01cbm	6-95529-01060-1
LHA21041TP	4CH 1080P HD DVR WITH 1TB HDD	Brown Box	16.5 x 10.6 x 3.9" 420 x 270 x 100mm	4.06 lb / 1.84 kg	0.6cft / 0.01cbm	6-95529-01308-4
LHA21081TP	8CH 1080P HD DVR WITH 1TB HDD	Brown Box	16.5 x 10.6 x 3.9" 420 x 270 x 100mm	4.06 lb / 1.84 kg	0.6cft / 0.01cbm	6-95529-01306-0
LHA21162TP	16CH 1080P HD DVR WITH 2TB HDD	Brown Box	16.5 x 10.6 x 3.9" 420 x 270 x 100mm	4.06 lb / 1.84 kg	0.6cft / 0.01cbm	6-95529-01307-7
INCLUDES	DVR with Pre-Installed HDD, HDMI Cable, Remote Control, Power Adapter, Mouse, Ethernet Cable, Quick Start Guides.					

Disclaimers:

1. Compatible with select 1080p & 720p cameras and standard analog cameras. For a list of compatible cameras please visit 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 1080p HD for high definition multi-channel live viewing only. Up to 1080p recording resolution is limited to a maximum of 1080p 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 3Mbps is required for the best video performance. Up to 2 devices may connect to the system at the same time.

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