



SECURITY DIGITAL VIDEO RECORDER



WATCH OVER YOUR WORLD FROM ANYWHERE IN THE WORLD

Don't miss a thing with true-to-life video in real-time. Lorex Stratus Connectivity offers instant connection anywhere you go with no recurring fees.



8/12/16/24 Channels 1-3TB_{HDD} 960_H

FEATURES:

- Tablet / smartphone viewing and playback ¹
- Lorex Stratus Connectivity - 3 step setup
- Superior 960H Resolution - 34% more detailed and true-to-life images ²
- Real-time recording at 30fps per channel
- 24/7 security-grade hard drive
- Instant email alerts with snap shot attachment
- Continuous, scheduled and motion recording
- Advanced mobile apps with live viewing, playback, video recording, and snap shot
- PC and Mac compatible
- HDMI cable included for simple connection to HD TVs ³
- H.264 video compression ⁴
- Pentaplex operation - view, record, playback, back up & remotely control the system simultaneously
- PTZ cameras supported (RS485). Remotely control through App
- Accurate time stamps with NTP & Daylight Savings Time
- 3 video outputs (HDMI, VGA and BNC) to connect multiple monitors
- Automatic firmware upgrades over Internet ensure your system is secure and up to date ⁵



SYSTEM

Operating System	Linux (embedded)
Pentaplex	Simultaneous View, Record, Playback, Backup & Remote Monitoring
Number of Channels	8/12/16/24 ch
Inputs/Outputs	
Video IN	8/12/16/24 x 1V _{pp} , CVBS, 75ohms, BNC
Video OUT	1 x BNC
VGA OUT	Yes
HDMI	Yes
Audio IN	8 ch 8 line IN (RCA), G.711, 12/16/24 ch 4 line in(RCA), G.711
Audio OUT	1 line OUT (RCA), G.711
USB Port	1 at the back, 1 at the front
Alarm IN	8 Alarm IN
Alarm OUT	1 Alarm OUT
Video Output Resolution	1920x1080 HDMI, 1440x900, 1280x1024, 1024x768
PTZ control	RS-485 Pelco D & P Protocol

Display

Live Display	8 ch: 1, 4, 9 12 ch: 1, 4, 9, 12 16 ch: 1, 4, 9, 16 24 ch: 1, 4, 9, 16, 24
Live Display Speed	8 ch: 240 NTSC, 200 PAL 12 ch: 360 NTSC, 300 PAL 16 ch: 480 NTSC, 400 PAL 24 ch: 720 NTSC, 600 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 RESOLUTION (PIXELS) & SPEED (FPS - FRAMES PER SECOND)		
		960H
		960 x 480
8ch	Total	240
	Per channel	30
12ch	Total	360
	Per channel	30
16ch	Total	480
	Per channel	30
24ch	Total	720
	Per channel	30

Recording Resolution Setting	Per camera for different resolutions
Recording Quality Control	3 levels
Recording Schedule alarm, by ch	By hour, by day, by recording mode, by motion, by
Pre Recording	Max. 10 Secs
Post Recording	Max. 5 Minutes
Reliability	Watch-Dog, Auto-recovery after power failure
Covert Video	Yes

PLAYBACK

Playback Channel	8 ch: 1~8 Adjustable, 12 ch: 1~12 Adjustable, 16/24 ch: 1~16 Adjustable
Playback Speed	Variable Max 16x
Playback Players	Backup Player
Search	By time & event
Log Search	Up to 100,000 lines for system, configuration changes, motion/alarm detected, account, record and storage
Audio Play	Yes

STORAGE & ARCHIVE

Storage	8/12/16 ch: Up to 1 HDD's (SATA) 24 ch: Up to 2 HDD's (SATA)
Maximum Capacity	8/12/16 ch: up to 1 x 4TB 24 ch: up to 2 x 4TB
Backup Media	USB Flash Drive & HDD
Backup File Format	H.264 file (AVI generator included)

CONNECTIVITY

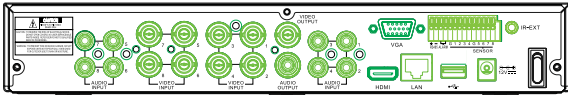
Cloud Connection	Lorex Stratus Connectivity
Supported Operating Systems	Windows™ Mac OS
Remote Software	Client Software (PC) & Safari (Mac)
Email notification	Text with snapshot
Instant Smart Phone & Tablet Support †	iPad®, iPhone®, Android™
DDNS	Free Lorex DDNS
System Configuration	Full setup configuration over network
Ports	Programmable by User
Network Protocol	TCP/IP / DHCP / UDP / DDNS / PPPoE
Network Interface	10/100Base-TX, RJ-45
Network Speed Control	48Kb ~ 8MB/sec.

GENERAL

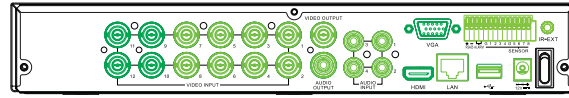
Power Consumption	Approx. 10 watts (no HDD included)
Supply Voltage	8/12/16 ch: 100VAC-240VAC, 12VDC, 2A, 50/60Hz 24 ch: 100VAC-240VAC, 12VDC, 5A, 50/60Hz
Unit Dimensions (W x D x H)	8/12/16 ch: 11.8"/300mm x 9.9"/251mm x 2.4"/60mm 24 ch: 14.9"/380mm x 13.3"/340mm x 1.9"/50mm
Unit Weight (KGs)	8 ch: 1.7 kg/3.75 Lbs 12 ch: 1.95 kg/4.3 Lbs 16 ch: 2.0 kg/4.43 Lbs 24 ch: 3.54 kg/7.8 Lbs
Operating temperature	32° ~ 104° F / 0° ~ 40° C
Humidity	10 ~ 90% NC

DVR Inputs & Outputs

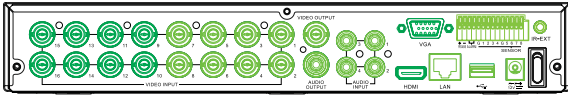
8 Channel DVR



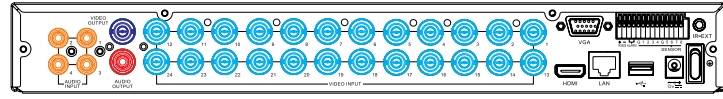
12 Channel DVR



16 Channel DVR



24 Channel DVR

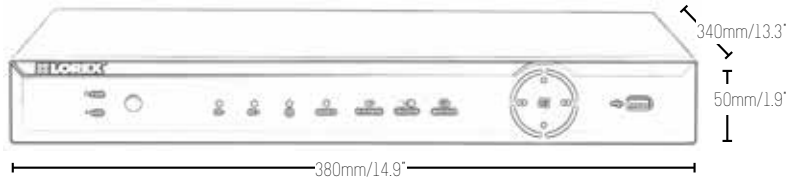


Dimensions:

8/12/16 Channel DVRs



24 Channel DVR



Product Information:

MODEL	CONFIGURATION	PACKAGE	W x D x H Inches & mm	WEIGHT	CUBE	UPC Code
LH16081T	8 ch EC06 DVR with 1TB HDD	Brown Box	424mm x 99mm x 269mm 16.7" x 3.9" x 10.6"	2.5 kg/x 5.5 lbs	0.011cbm / 0.39cbf	6-95529-00059-6
LH16122T	12 ch EC06 DVR with 2TB HDD	Brown Box	424mm x 99mm x 269mm 16.7" x 3.9" x 10.6"	2.6 kg/x 5.7 lbs	0.011cbm / 0.39cbf	6-95529-00057-2
LH16162T	16 ch EC06 DVR with 2TB HDD	Brown Box	424mm x 99mm x 269mm 16.7" x 3.9" x 10.6"	2.6 kg/x 5.7 lbs	0.011cbm / 0.39cbf	6-95529-00052-7
LH16243T2	24 ch EC06 DVR with 3TB HDD	Brown Box	480mm x 95mm x 370mm 18.9" x 3.7" x 14.5"	4.2 kg/x 9.4 lbs	0.016cbm / 0.58cbf	6-95529-00023-7
INCLUDES	DVR with Pre-Installed HDD, HDMI Cable, Remote Control, Power adapter, Mouse, Ethernet Cable, Quick Start Guides.					

Disclaimers:

- 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. For the latest list of supported apps and devices, check www.lorextechnology.com/support.
- Optimized when used with 960H compatible cameras. DVR is backwards compatible and supports different camera inputs: standard resolution and 960H.
- 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.
- Recording time may vary based on recording resolution & quality, lighting conditions and movement in the scene.
- Both firmware and software must be updated to latest version to ensure remote connectivity. Always update to the latest software (available at www.lorextechnology.com) after upgrading the DVR firmware.

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