



HIGH DEFINITION SECURITY CAMERA SYSTEM



VIEW YOUR WORLD IN HD

Experience crystal clear 720p video day or night. See double the detail of 960H. Stay connected wherever you go with free Apps and no recurring fees.



FLIR Cloud™



8 Cameras 8 Channels 1-2TB HDD 720P 130'/Night Vision
90FT

DVR FEATURES:

- High definition 720p recording. Double the resolution of 960H ¹
- Real-time recording at 30fps per channel
- 24/7 security-grade hard drive
- Continuous, scheduled and motion recording
- H.264 video compression ²
- HDMI cable included for simple connection to HD TVs
- PTZ cameras supported, remote control through App ¹
- 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
- 3-Step remote view with FLIR Cloud™ ³
- PC and Mac compatible ⁴
- Free iOS and Android compatible apps ⁴
- Advanced apps with live viewing, playback, video recording, and snap shot
- Push notifications of motion events
- Instant email alerts with snap shot attachment
- Dual streaming to conserve bandwidth





CAMERA FEATURES:

- High definition 720p 1 megapixel image sensor delivers double the resolution of 960H ¹
- Crystal clear video with outstanding detail, day or night
- Infrared cut filter ensures accurate color representation
- Night vision range up to 130ft (40m) in ambient lighting & 90ft (28m) in total darkness ²
- Close up recognition in the dark with SmartIR
- Anti-glare feature ensures clear images under strong lighting conditions
- ClearNight imaging for superior low light performance, improving recording efficiency
- Split glass design minimizes IR reflection
- Weatherproof for outdoor & indoor installation (IP66 Rated) ³
- Extreme temperature performance (-22°F ~ 122°F)
- Wide angle 90° field of view
- Vandal resistant design with cable pass-through bracket
- Lightweight and durable polycarbonate housing
- Removable camera base and integrated cable for flexible installation
- Versatile ceiling or wall mounting options
- Residential and business friendly compact design
- 60ft BNC/Power extension cable included per camera
- Energy-efficient CEC (California Energy Commission) compliant power adapter included
- Extend the video signal up to 800ft (242m) with a single-run RG59 coaxial cable for flexible installations ⁴

SYSTEM

Operating System	Linux (embedded)
Pentaplex	Simultaneous View, Record, Playback, Backup & Remote Monitoring
Number of Channels	4/8 ch
Inputs/Outputs	
Video IN	4/8 x 1Vpp, CVBS, 75ohms, BNC
Video OUT	No
VGA OUT	Yes
HDMI	Yes
Audio IN	1 line IN (RCA) for service only - audio recording not supported
Audio OUT	1 line IN (RCA) for service only - audio recording not supported
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
Live Display Speed	4 ch: 120 NTSC, 100 PAL 8 ch: 240 NTSC, 200 PAL
OSD	ON/OFF
System Navigation	USB Mouse, IR Remote Controller, Front Panel
Motion Area Setting	Adjustable grid (22x18)
Sensitivity levels	6
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: 720P (1280x720), 960x480, 704x480, 352x480, 704x240, 352x240, 176x120 PAL: 720P (1280x720), 960x576, 704x576, 352x288, 176x144
Recording Resolution Setting	Per camera for different resolutions
Recording Quality Control	5 levels
Recording Schedule channel	By hour, by day, by recording mode, by motion, by channel
Pre Recording	Max. 4Secs
Post Recording	Max. 5 Minutes
Reliability	Watch-Dog, Auto-recovery after power failure
Covert Video	Yes

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

		720p
		1280x 720
4ch	Total	120
	Per channel	30
8ch	Total	240
	Per channel	30

PLAYBACK

Playback Channel	4/8 ch: single channel or quad playback
Playback Speed	Variable Max 16x
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	no

STORAGE & ARCHIVE

Storage	4/8 ch: Up to 1 HDD's (SATA)
Maximum Capacity	4/8 ch: up to 1 x 4TB
Backup Media	USB Flash Drive & HDD
Backup File Format	DAV or ASF file

CONNECTIVITY

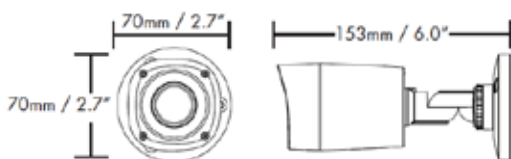
Cloud Connection	Flir Cloud™
Supported Operating Systems	Windows™ Mac OS
Remote Software	Client Software (PC) & Safari (Mac)
Email notification	Text with snapshot
Instant Smart Phone & Tablet Support †	iPad®, iPhone®, Android™
DDNS	Free Lorex DDNS
System Configuration	Full setup configuration over network
Ports	Programmable by User
Network Protocol	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.

GENERAL

Power Consumption	Approx. 10 watts (no HDD included)
Supply Voltage	100VAC-240VAC, 12VDC, 2A, 50/60Hz
Unit Dimensions	12.8" /325mm x9.6" /245mm x 2.0" /50mm
Unit Weight (KGs)	1.5 kg/3.3 lbs
Operating temperature	32° ~ 104° F / 0° ~ 40° C
Humidity	10 ~ 90% RH

LBV1521 Series

Image Sensor:	1/2.9" 720p 1 Megapixel
Video Format:	NTSC
Effective Pixels:	H: 1280 V: 720
Resolution:	720p
Scan System:	Progressive
Sync System:	Internal
S/N Ratio:	50dB (AGC Off)
Iris:	AES
AES Shutter Speed:	1/50 ~ 1/100,000 Sec.
Min. Illumination:	0.1 Lux without IR LED 0 Lux with IR LED
Video Output:	Lorex Analog HD
Lens / Lens Type:	3.6mm F1.9 / Fixed
FOV (Diagonal):	90°
Termination:	BNC Type
IR LED Qty / Type:	12 pieces /850nm
Night Vision Range:	130ft (40m) / 90ft (28m)
Power Requirement:	12V DC ±10%
Power Consumption:	Max. 180mA (w/IR)
Operating Temp. Range:	-22° ~ 122°F / -30° ~ 50°C
Operating Humidity Range:	< 95% RH
Environmental Rating:	Both (IP66)
Weight (including stand):	0.3lbs / 0.1kg

DVR Inputs & Outputs**8 Channel DVR****Dimensions:****8 Channel DVR****LBV1521 Camera**

Product Information:

MODEL	CONFIGURATION	PACKAGE	W x D x H Inches & mm	WEIGHT	CUBE	UPC Code
LHD818	8 channel HD DVR with 1TB HDD & 8 x 720p Cameras (LBV1521PK4B)	Retail Box	424mm x 360mm x 307mm 16.7" x 14.2" x 12.1"	20lbs / 9kg	1.6cft / 0.04cbm	6-95529-00131-9
LHV10082TC8PM	8 channel HD DVR with 2TB HDD & 8 x 720p Cameras (LBV1521PK4B)	Retail Box	424mm x 360mm x 307mm 16.7" x 14.2" x 12.1"	20lbs / 9kg	0.6cft / 0.04cbm	6-95529-00098-5
DVR INCLUDES	8 Channel DVR with Pre-Installed HDD, HDMI Cable, Remote Control, Power adapter, Mouse, Ethernet Cable, Quick Start Guides.					
CAMERA INCLUDES	8 x Cameras, 8 x Mounting kit with Allen key, 8 x 60ft BNC / power extension cables, 2 x 4-in-1 Power adapters.					

DVR Disclaimers:

1. Compatible with Lorex 720p wired HD cameras only. For a list of compatible cameras, please visit lorextechnology.com/support
2. Recording time may vary based on recording resolution & quality, lighting conditions and movement in the scene.
3. 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 3 devices may connect to the system at the same time.
4. For the latest list of supported apps and devices, please visit www.lorextechnology.com/support

* Number of Channels/ Cameras/ Accessories/ HDD (hard disk drive) capacity may vary by model. Check your package label for specific content information.

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Camera Disclaimers:

1. Compatible with Lorex HD DVR LHV1000 series only.
2. 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. In low light, the camera will switch to black and white.
3. Not intended for submersion in water. Installation in a sheltered location recommended.
4. The extension cable must be a single stretch of cable between the DVR and camera. You cannot connect multiple extension cables to each other. For cable runs above 300ft(92m), you must connect the power adapter directly to the camera, rather than at the end of the extension cable.