



HIGH DEFINITION SECURITY CAMERA SYSTEM



FLIR Cloud™

Available on the
App Store

GET IT ON
Google play

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.

4/8/13 Cameras 4/8/16 Channels 1-2TB HDD
720p 130'/Night Vision 12X Optical Zoom 300°/SEC Panning Speed
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



HIGH DEFINITION SECURITY CAMERA SYSTEM



VIEW YOUR WORLD IN HD

Keep an eye on your home or business day or night
with this high definition HD security camera.

FEATURES:

- High definition 720p 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 90ft (28m) in ambient lighting & 130ft (40m) in total darkness ²
- Close up recognition in the dark with SmartIR
- ClearNight imaging for superior low light performance, improving recording efficiency
- Extreme temperature performance (-22°F ~ 140°F)
- Weatherproof for outdoor & indoor installation (IP66 Rated) ³
- Wide angle 90° field of view
- Residential and business friendly compact design
- 3-axis design for wall / ceiling mounting

130/
90_{FT} Night Vision

720_P Resolution

Indoor/outdoor



HIGH DEFINITION SECURITY CAMERA SYSTEM



VIEW THE ENTIRE SCENE WITH PAN-TILT-ZOOM

View your world in full 360° with advanced pan-tilt-zoom capabilities and exceptional high definition 720p video quality.

FEATURES:

- High definition 720p resolution 1.3 MP Sony Exmor® image sensor ¹
- Powerful 12 x optical zoom and 16 x digital zoom to focus in on even the finest details
- Full 360° continuous pan rotation for complete area coverage. Fast 300° per second panning speed
- Zoom lens for viewing small or distant objects with enhanced definition
- Control PTZ camera movement and transmit video over a single coaxial cable
- Program preset viewing points, patterns, scan cycles and tours when connected to a DVR
- Remote control of the PTZ camera using a smartphone or tablet (when connected to a DVR)
- Day/Night mode: picture automatically switches to B&W delivering better clarity in low light conditions
- ClearNight imaging for superior low light performance ²
- Infrared cut filter ensures accurate color representation
- High definition video with outstanding detail, day or night
- Weatherproof for outdoor & indoor installation (IP66 Rated) ³
- Wall mount & 100ft extension cable included for installation flexibility
- Wall mount & 100ft extension cable included for installation flexibility

720_P 12X_{Optical Zoom} 300°/SEC Panning Speed

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 1Vp-p, 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	RS485 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
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. 30 Secs
Post Recording	Max. 5 Minutes
Reliability	Watch-Dog, Auto-recovery after power failure
Covert Video	Yes

PLAYBACK

Playback Channel	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	Up to 1 HDD's (SATA)
Maximum Capacity	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 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	10/100-Base-TX, RJ-45
Network Speed Control	48Kb ~ 8MB/sec.

GENERAL

Power Consumption	Approx. 10 watts (no HDD included)
Supply Voltage	4/8 ch: 100VAC-240VAC, 12VDC, 2A, 50/60Hz 16 ch: 100VAC-240VAC, 12VDC, 3A, 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

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

		720p 1280x 720
4ch	Total	120
	Per channel	30
8ch	Total	240
	Per channel	30
16ch	Total	480
	Per channel	30

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 \pm 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

LZV1722B

Image Sensor:	1/3" 1.3MP Sony Exmor
Video Format:	NTSC/PAL
Effective Pixels:	1280(H) x 960 (V)
Resolution:	up to 720p (1280 x 720)
Range:	360° Pan (Endless); -2-90° Tilt (Auto-Flip)
Pan/Tilt Speed:	Max 300°/Sec (Pan); Max 200°/Sec (Tilt)
Zoom:	12x Optical Zoom & 16x Digital Zoom
Protocol:	DHSD1, MPX CVI
Min. Illumination:	0.1 Lux in Color 0.01 Lux in Black and White
Lens/Lens Type:	Auto Focus / 5.61mm F 1.6
Field of View (Horizontal):	4-51°
Field of View (Diagonal):	6-64°
S/N Ratio:	>55db (AGC Off)
Scan System:	Progressive
Synchronization:	Internal
Iris:	AES
Day/Night:	IR Cut Filter (ICR)
Termination:	BNC Video/AC Power/RS485 (service only)
Video Output:	Composite 1.0Vpp @ 75ohm
Power Requirement:	24V DC \pm 10%
Power Consumption:	Max. 500mA
Operating Temperature Range:	14°F ~ 140°F / -10°C ~ 60°C
Operating Humidity Range:	within 90%RH
Indoor/Outdoor:	Both (IP66)
Weight:	2.9lbs / 1.3kg

LEV1522 Series

Image Sensor:	1/2.9" 720p Megapixel Pixel Sensor
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:	1/60 ~ 1/100,000 Sec.
Min. Illumination:	0.01 Lux without IR LED 0 Lux with IR LED
Video Output:	Composite 1.0Vpp @ 75ohm
Lens / Lens Type:	3.6mm F1.2 / 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 \pm 10%
Power Consumption:	Max. 200mA (w/IR)
Operating Temp. Range:	-22° ~ 140°F / -30° ~ 60°C
Operating Humidity Range:	< 90% RH
Environmental Rating:	Both (IP66)
Weight (including stand):	0.75lbs / 0.34kg

DVR Inputs & Outputs

8 Channel DVR



16 Channel DVR

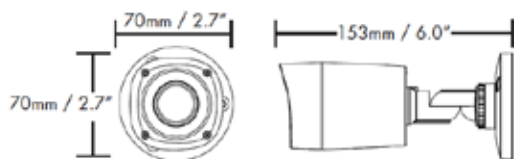


Dimensions:

DVR



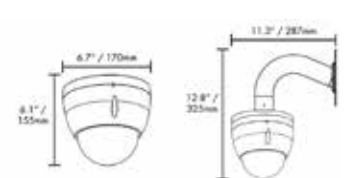
LBV1521 Camera



LEV1522 Camera



LZV1722B Camera



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.

All trademarks belong to their respective owners. No claim is made to the exclusive right to use the trademarks listed, other than the trademarks owned by Lorex Technology Inc. We reserve the right to change models, configurations or specifications without notice or liability. Product may not be exactly as shown. Images are simulated.

Bullet & Dome 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.

PTZ Camera Disclaimers:

1. Compatible with Lorex HD DVR LHV1000 series only.
2. This camera features an ultra-low light sensitive image sensor and therefore does not feature Infra-Red LEDs. The camera requires ambient lighting (for example, street/ building lighting, star or moon light) to render a night time image. In total darkness (zero Lux), the camera will not produce a night time image and therefore the camera should not be installed in completely dark areas.
3. Not intended for submersion in water. Installation in a sheltered location recommended.



HIGH DEFINITION SECURITY CAMERA SYSTEM

Product Information

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"	20 lbs / 9 kg	1.6cft / 0.04cbm	6-95529-00131-9
LHD818F	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"	20 lbs / 9 kg	1.6cft / 0.04cbm	6-95529-00232-3
LHD818MX	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"	20 lbs / 9 kg	1.6cft / 0.04cbm	6-95529-00261-3
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"	20 lbs / 9 kg	1.6cft / 0.04cbm	6-95529-00098-5
LHV10041TC4	4 channel HD DVR with 1TB HDD & 4 x 720p Cameras (LBV1521PK4B)	Retail Box	388mm x 226mm x 368mm 15.3" x 8.9" x 14.5"	10.6 lbs / 4.8 kg	1.14cft / 0.03cbm	6-95529-00184-5
LHV10041TC4MX	4 channel HD DVR with 1TB HDD & 4 x 720p Cameras (LBV1521PK4B)	Retail Box	388mm x 226mm x 368mm 15.3" x 8.9" x 14.5"	10.6 lbs / 4.8 kg	1.14cft / 0.03cbm	6-95529-00266-8
LHV10045GC4B	4 channel HD DVR with 500GB HDD & 4 x 720p Cameras (LBV1521PK4B)	Brown Box	388mm x 226mm x 368mm 15.3" x 8.9" x 14.5"	10.6 lbs / 4.8 kg	1.14cft / 0.03cbm	6-95529-00234-7
LHV10082TC4	8 channel HD DVR with 2TB HDD & 4 x 720p Cameras (LBV1521PK4B)	Retail Box	388mm x 226mm x 368mm 15.3" x 8.9" x 14.5"	11 lbs / 4.9 kg	1.6cft / 0.03cbm	6-95529-00185-2
LHV10081TC4B	8 channel HD DVR with 1TB HDD & 4 x 720p Cameras (LBV1521PK4B)	Brown Box	388mm x 226mm x 368mm 15.3" x 8.9" x 14.5"	11 lbs / 4.9 kg	1.6cft / 0.03cbm	6-95529-00259-0
LHV10162TC8	16 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"	20 lbs / 9 kg	0.6cft / 0.04cbm	6-95529-00186-9
LHV10162TC12Z1B	16 channel HD DVR with 2TB HDD & 8 x 720p Cameras (LBV1521PK4B), 4 x 720p Dome Cameras (LEV1522PK4B), 1 x PTZ Camera (LZV1722B)	Brown Box	571mm x 312mm x 508mm 22.2" x 12.3" x 25"	36 lbs / 16.3 kg	3.95cft / 0.11cbm	6-95529-00227-9
LHV10041TC4P	4 channel HD DVR with 1TB HDD & 4 x 720p Cameras (LBV1521PK4B)	Retail Box	388mm x 226mm x 368mm 15.3" x 8.9" x 14.5"	10.6 lbs / 4.8 kg	1.14cft / 0.03cbm	6-95529-00273-6
LHV10081TC8P	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"	20 lbs / 9 kg	1.6cft / 0.04cbm	6-95529-00274-3
DVR Includes:	DVR with Pre-Installed HDD, HDMI Cable, Remote Control, Power adapter, Mouse, Ethernet Cable, Quick Start Guides.					
Bullet & Dome Cameras Include:	4, 8, or 12 x Cameras, 4, 8, or 12 x Mounting kit with Allen key, 4, 8, or 12 x 60ft BNC / power extension cables, 1, 2 or 4 x 4-in-1 Power adapters.					
PTZ Camera Includes:	1x PTZ Camera, 1x Wall Mount, 1x Pendant Cap, 1x 100ft BNC / Power Extension Cable, 4x Mounting Screws & Anchors, 1x Power Adapter, 4x O-Rings, 4x Allen Bolts, 1x Allen Key, Mounting Template & Instruction Manual.					

Lorex Corporation www.lorextechnology.com

250 Royal Crest Court
Markham, Ontario,
Canada L3R 3S1

901 Elkridge Landing Road, Suite 100
Linthicum, Maryland 21090,
USA.

© 2015 Lorex Corporation

As our product is subject to continuous improvement, Lorex Corporation & subsidiaries reserve the right to modify product design, specifications & prices without notice and without incurring any obligation. E&OE.

7-02192015