

WATCH OVER YOUR WORLD FROM ANYWHERE IN THE WORLD



SUPER HI-RES SERIES
8 CHANNELS
4 cameras
500 дв
18.5" LED MONITOR
600 TVL RESOLUTION
90/66 FT NIGHT VISION

CONNECT WITH ANY DEVICE SUPER RESOLUTION DAY & NIGHT INSTALL OUTDOORS/INDOORS

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iPhone [®]	iPad®	¹] ¹ BlackBerry	. <u> </u>	Windows	<u></u>



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MOBILE SURVEILLANCE

Connect and view your system on the go with your Tablet or Smartphone over a 3G/4G or WiFi network.[†]

SIMPLE YET ADVANCED

Record on a surveillance grade hard drive, designed for 24/7 operation providing weeks or even months of reliable recording.¹

SIMULTANEOUS MONITOR VIEWING

Connect to a TV, PC, or CCTV monitors with industry standard VGA & BNC inputs.

DELIVERING CLARITY

See accurate colors in all lighting conditions with the included weatherproof designed cameras.

EASY SYSTEM NAVIGATION

Intuitive menu options with simple icons allow for fast and efficient DVR programming.

FEATURES: DIGITAL VIDEO RECORDER:

- H.264 video compression. D1 capable¹
- Real time recording @ (360x240)
- Pentaplex operation View, Record, Playback, Back Up & Remotely control the system simultaneously
- 24/7 100% Duty cycle hard drive pre-installed
- PTZ camera (not included) supported via RS485
- Exclusive LOREX Easy Connect Internet Set-up Wizard²
- Instant Mobile Viewing on compatible Smart phones & Tablets[†]
- PC and Mac Compatible (Internet Explorer & Safari browsers)[†]
- Free LOREX DDNS (Dynamic Domain Name Service) for advanced remote connectivity at all times
- · Instant email alerts with snap shot attachment
- · Accurate Time Stamps with NTP & Daylight Savings Time

LED MONITOR:

- 18.5" Monitor (VGA) with LED back-light technology
- Resolution: 1366 x 768 pixels
- VGA input



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COMPLETE SURVEILLANCE CAMERA SYSTEM

VIEW YOUR WORLD -IN SUPER RESOLUTION.

- CLEAR VIDEO DAY AND NIGHT
- VIEW WITH BRIGHT-NIGHT
- WEATHERPROOF HOUSING

A SUPER RESOLUTION PERSPECTIVE

View your world with improved detail, sharpness, and clarity day and night.

TRUE COLORS

See accurate colors with Lorex's automatic light filtering technology.

VANDAL RESISTANT DESIGN

Protective cable pass-through bracket and metal housing.

FEATURES

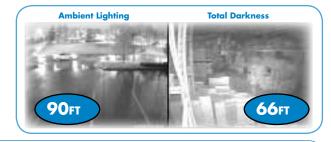
- Super Resolution with enhanced optics
- · BrightNight Viewing with enhanced lowlight image sensor
- Night Vision up to 90/66ft (28/20m) away ³
- · Anti-glare feature ensures clear images under strong lighting conditions
- Accurate colours with Lorex's automatic light filtering technology
- 3.6mm wide-angle lens captures a 78° Field of View (diagonal) ⁴
- Vandal resistant design with cable pass through mounting bracket
- Weatherproof housing for indoors & outdoor installation (IP66) ⁵

COLOR REPRODUCTION

Typical Camero Accurate colors with Infrared

Filter Technology

· Versatile mounting options: ceiling, counter or wall mountable



ANTI-GLARE

Anti-glare





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Typical Camero

SPECIFICATIONS

DVR:

SYSTEM				
Operating System	Linux (embedded)			
Pentaplex	Simultaneous View, Record, Playback, Backup & Remote Monitoring			
Number of Channels	4/8/16 Channel			
Inputs/Outputs				
Video IN	4/8/16 x 1Vp-p, CVBS, 75ohms, BNC			
Video OUT	4/8 ch: 2 × BNC, 16 ch: 1 × BNC			
VGA OUT	4/8/16 ch: Yes			
Audio IN	4/8 ch: 1 Line in(RCA), G.711 16 ch: 2 Line in(RCA), G.711			
Audio OUT	4/8/16 ch: 1 line out(RCA), G.711			
USB Port	1 at the back for Mouse, 1 at the front for firmware upgrade & USB backup			
Video Output Resolution	800x600, 1024x768, 1280x1024			
PTZ control	RS-485 Pelco D & P Protocol			
Display				
Live Display	4 ch: 1,4 8 ch: 1, 4,8 16 ch: 1, 4, 9, 16			
Live Display Speed	120 (4 ch)/ 240 (8 ch)/ 480 (16 ch) NTSC 100 (4 ch)/ 200 (8 ch)/ 400 (16 ch) PAL			
OSD	ON/OFF			
System Navigation	USB Mouse, IR Remote Controller			
Motion Area Setting	Adjustable grid (10 x15) NTSC Adjustable grid (12 x15) PAL			
Sensitivity levels	8			
Firmware Upgrade	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	4/8 ch: NTSC: 360x240 (CIF), 720x240 (HD1), 720x480 (D1) 4/8 ch: PAL: 360x288 (CIF), 720x288 (HD1), 720x576 (D1) 16 ch: NTSC: 360x240 (CIF), PAL: 360X288 (CIF)			
Recording Speed:	4 ch: 120/100 (NTSC/PAL) @ CIF, HD1, 60/50 (NTSC/PAL) @ D1 8 ch: 240/200 (NTSC/PAL) @ CIF, 120/100(NTSC/PAL) @ HDI, 60/50 (NTSC/PAL) @ D1 16 ch: 480/400 (NTSC/PAL) @ CIF			
Recording Resolution Setting	Per camera for different resolutions (CIF/2CIF/D1). 16 ch: CIF only			
Recording Quality Control	3 levels			
Recording Schedule	By hour, by day, by recording mode, by motion, by channel			
Pre Recording	Max. 10 Secs			
Post Recording	Max. 5 Minutes			
Reliability	Watch-Dog, Auto-recovery after power failure			
Covert Video	Yes			
PLAYBACK				
Playback Channel	1~4 Adjustable(4 ch), 1~8 Adjustable (8 ch), 1~16 Adjustable (16 ch)			
Playback Speed	Variable Max 16x			
Playback Players	Backup Player			
Search	By time & event			
Log Search	Up to 10,00,000 lines for motion detected, configuration changes, connects/disconnects and video loss.			
Audio Play	Yes			
STORAGE & ARCHIVE				
Storage	4/8/16 ch: Up to 1 HDD's (SATA)			
Maximum Capacity	4/8/16 ch: Up to 2TB			
Backup Media	USB Flash Drive & HDD			
Backup File Format	H.264 file (AVI generator included)			

CONNECTIVITY

Easy Connect	Lorex Auto Port Forward Wizard			
Supported Operating Systems	4/8/16 ch: Windows™ XP, Vista, 7 4/8/16 ch: Mac OSX Snow Leopard 10.6 or above			
Browsers	Internet Explorer & Safari 6.0			
Email notification	Text with snapshot			
Instant Smart Phone Compatibility†	Smart Phone & Tablet Compatibility: iPad®, iPhone®, BlackBerry (supported model numbers: 9000, 9700, 9800), Android (version 1.5 & above), Windows Mobile (6.0, 6.5)			
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	10/100-Base-TX, RJ-45			
Network Speed Control	48Kb ~ 8MB/sec.			
GENERAL				
Power Consumption	4/8/16 ch: Approx. 15 watts (HDD Pre-installed)			
Supply Voltage	4/8/16 ch: 100VAC-240VAC, 12VDC , 2A, 50/60Hz			
Unit Dimensions 1.97"/50mm	4/8/16 ch: 11.81″/300mm x 8.66″/220mm x (W x D x H)			
Unit Weight (KGs)	4 & 8 ch: 1.32 kgs/2.9 lbs 16 ch: 1.51s kg/3.33 lbs			
Operating temperature	32° ~ 104° F / 0° ~ 40° C			
Humidity	10 ~ 90% NC			

LED MONITOR: (L19LE11B)

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Display Device:	18.5 inch color TFT LED
Resolution:	1366 (H)*768 (V)
Display Area:	409.8mm*230.4mm
Viewing Angle:	170°(H)/160°(V)
Power Source:	Universal 100~240VAC,50/60HZ
Power Consumption:	21W
Operation Temperature :	-5° C to +45° C.
Unit Dimensions:	17.5"/445mm W x 12.5"/320mm H x 1.3"/33mm D
Unit Weight (KGs).	2.26 Kg / 5 lbs

CAMERA (CVC7572PK4B):

Image Sensor:	1/3" Color Image Sensor		
Video Format:	NTSC		
Effective Pixels:	H: 758 V: 488		
Resolution:	600 TV Lines		
Scan System:	2:1 Interlace		
Sync System:	Internal		
S/N Ratio:	46.8dB (AGC Off)		
lris:	AES		
AES Shutter Speed:	1/60 ~ 1/100,000 Sec.		
Min. Illumination:	0.1 Lux without IR LED, 0 Lux with IR LED		
Video Output:	Composite 1.0Vpp @75 ohm		
Lens / Lens Type:	3.6mm F1.2 / Fixed		
FOV (Diagonal):	78°		
Termination:	BNC Type		
IR LED Qty / Type:	24 pieces / 850nm		
Night Vision Range:	90ft (28m)/66ft (20m)		
Power Requirement:	12V DC ±10%		
Power Consumption:	Max. 280mA (w/IR)		
Operating Temp. Range:	14° ~ 122°F / -10° ~ 50°C		
Operating Humidity Range:	< 60% RH		
Environmental Rating:	IP66		
Weight (including stand):	0.6lbs / 0.3kg		



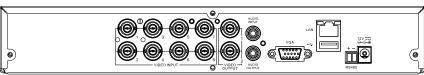
LH010 ECO BLACKBOX SERIES

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PRODUCT INFORMATION

Back Panel:

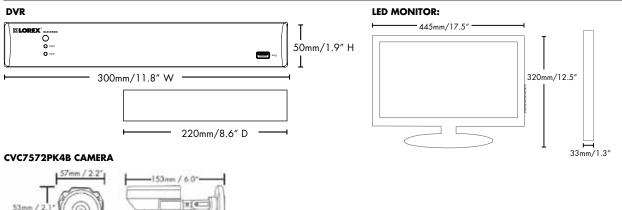
8 Channel



Product Information:

MODEL	CONFIGURATION	PACKAGE	W x D x H in & mm	WEIGHT	CUBE	UPC Code
LH01846L19FMX	8ch ECO Blackbox DVR x 4 (600) TVL Cameras (CVC7572PK4B) x 500GB HDD x 1(18.5") LED Monitor (L19LE11B)	Retail Universal	512mm x 271mm x 511mm/ 20.19" x 10.82" x 20.13"	10.12 kg/22.36 lbs	0.071924m /2.54ft	7-78597-08419-1
Includes	8 Ch DVR with 500GB HDD, 18.5" LED Monitor with Stand, Remote Control, Power Adapter, Mouse, Ethernet Cable, CD, QSG, Instruction Manual, 4 x Cameras, 4 x Camera Stands, 4 x 60ft BNC/DC Extension Cables, 1 x 4 in 1 Camera Power Adaptor, VGA Cable, Quick Start Guide and Instruction Manual.					

Dimensions:



DISCLAIMERS:

- 1. Recording time may vary based on recording resolution & quality, lighting conditions and movement in the scene.
- 2. Requires a high speed internet connection and a router (not included).
- 3. IR Illumination range under ideal conditions. Actual range and clarity may vary depending on scene/object reflection and camera application.
- Measurements are calculated using ambient lighting and total darkness conditions. Picture automatically switches to B&W delivering better clarity in low light conditions.
- 4. Field of view, diagonal.
- 5. Not intended for submersion in water. Installation in a sheltered location recommended. *If light level is too low, camera will switch over to B/W for increased light sensitivity.
- † Smart Phone & Tablet Compatibility: iPad®, iPhone®, BlackBerry (supported model numbers: 9800, 9700, 9000), Android (version 1.5 & above), Windows Mobile (6.0, 6.5). Mobile phone data plan is required (not included). Router port forwarding required. For the latest compatibility list check www.lorextechnology.com as new models become available in the market.
- * BlackBox is used solely as a marketing term and does not imply that the product can survive fire or extreme conditions. Use product in accordance with the instructions provided.

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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