WATCH OVER YOUR WORLD
FROM ANYWHERE IN THE WORLD

HDMI

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 HDMI, VGA & BNC inputs. [2]

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

SUPER HI-RES
SERIES

16 CHANNELS

8 CAMERAS

1 TB

600 TVL RESOLUTION

90/60 FT NIGHT VISION

Remote Connectivity & Compatibility

iPhone®   iPad®   BlackBerry.   Windows   Mac

◥ CONNECT WITH TABLET & SMARTPHONE

◥ VIEW & CONTROL WITH PC & MAC

◥ 24/7 RELIABLE RECORDING

◥ HIGH DEFINITION HDMI OUTPUT

◥ AFFORDABLE PEACE OF MIND

VANTAGE

DIGITAL VIDEO RECORDER:

- H.264 video compression [1]
- HDMI output (HDMI cable included for – simple connection to HDTVs) [2]
- Real time recording: 8/16ch: (360x240), 4ch: (720x240) resolution
- 960H (960x480) recording resolution capable [3]
- Pentaplex operation - View, Record, Playback, Back Up & Remotely Control the system simultaneously
- 24/7 100% Duty cycle hard drive pre-installed
- PTZ cameras supported (RS485). Remotely controlable through App
- Exclusive LOREX Easy Connect Internet Set-up Wizard [4]
- 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

VANTAGE

LOREX®
VIEW YOUR WORLD®

SECURITY 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 [5]
- 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) [6]
- Vandal resistant design with cable pass through mounting bracket
- Weatherproof housing for indoors & outdoor installation (IP66) [7]

Ambient Lighting   **Total Darkness**

90FT   **66**FT
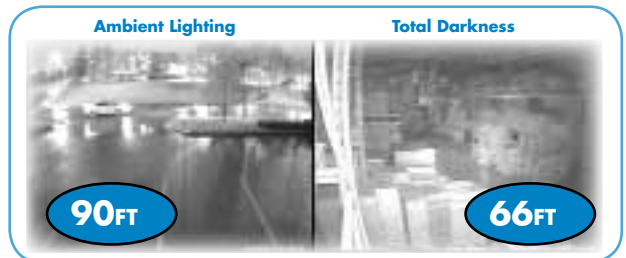
SUPER HI-RES
SERIES

600 TVL

90/66ft NIGHT VISION

INDOOR/OUTDOOR

VANTAGE

COLOR REPRODUCTION   **ANTI-GLARE**

Typical Camera | Accurate colors with Infrared Filter Technology | Typical Camera | Anti-glare Technology

LH010 ECO BLACKBOX SERIES

www.lorextechnology.com

DVR (LH0161001H):

SYSTEM

Operating System	Linux (embedded)
Pentaplex	Simultaneous View, Record, Playback, Backup & Remote Monitoring
Number of Channels	16

Inputs/Outputs

Video IN	16 x 1Vp-p, CVBS, 75ohms, BNC
Video OUT	1 x BNC
VGA OUT	Yes
HDMI	Yes
Audio IN	4 Line in(RCA), G.711
Audio OUT	1 line out(RCA), G.711
USB Port	1 at the back for Mouse, 1 at the front for firmware upgrade & USB backup
Alarm IN	8ch In
Alarm OUT	1ch Out
Video Output Resolution	800x600, 1024x768, 1280x1024, 1440x900, HDMI (1920x1080)
PTZ control	RS-485 Pelco D & P Protocol

Display

Live Display	1, 4, 9, 16
Live Display Speed	480 NTSC, 400 PAL
OSD	ON/OFF
System Navigation	USB Mouse, IR Remote Controller
Motion Area Setting	Adjustable grid (30x44) NTSC / Adjustable grid (36x44) 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	**NTSC:** D1 mode: 720x480(D1), 720x240(2CIF), 360x240(CIF) **960H:** 960x480, 960x240, 480x240 **PAL:** D1 mode: 720x576(D1), 720x288(2CIF), 360x288(CIF) **960H:** 960x576, 960x288, 480x288
Recording Speed:	**NTSC:** D1 mode: 480fps @ CIF, 224fps @ D1 & 2CIF **960H :** 480fps @ 480x240, 160fps @ 960x480 & 960x240 **PAL:** D1 mode: 400fps @ CIF, 192fps @ D1 & 2CIF **960H:** 400fps @ 480x240, 144fps @ 960x480 & 960x240
Recording Resolution Setting	Per camera for different resolutions
Recording Quality Control	3 levels
Recording Schedule	By hour, by day, by recording mode, by motion, by alarm, by ch
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	Up to 1 HDD's (SATA)
Maximum Capacity	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	**Windows**™ 8, 7, XP, Vista **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: 9800, 9700, 9000), Android (version 1.5 & above), Windows Mobile (6.0, 6.5), Symbian 3rd & 5th generation phones
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	Approx. 10 watts (No HDD Installed)
Supply Voltage	100VAC-240VAC, 12VDC , 2A, 50/60Hz
Unit Dimensions (W x D x H)	11.81"/300mm x 8.66"/220mm x 1.97"/50mm
Unit Weight (KGs)	1.51s kg/3.33 Lbs
Operating temperature	32° ~ 104° F / 0° ~ 40° C
Humidity	10 ~ 90% NC

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)
Iris:	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

LOREX®
VIEW YOUR WORLD®

DVR Inputs & Outputs

16 Channel DVR
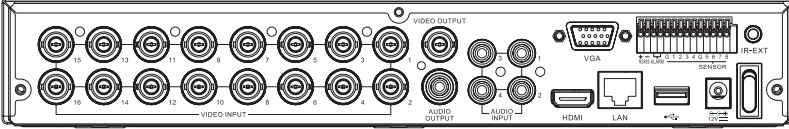
Product Information:

MODEL	CONFIGURATION	PACKAGE	W x D x H Inches & mm	WEIGHT	CUBE	UPC Code
LH016810B	16 ch Eco Blackbox+ DVR, x 8 (600) TVL Cameras (CVC7572PK4B) x 1TB HDD	Brown Box	426mm x 335mm x 297mm/ 16.8" x 13.2" x 11.7"	9.8 kg/21.65 lbs	0.042475m / 1.50ft	7-78597-01681-9
INCLUDES	16 ch DVR with Pre-Installed HDD, HDMI Cable, Remote Control, Power adapter, Mouse, Ethernet Cable, Documentation & Software CD, QSG, Instruction Manual, 8 x Cameras, 8 x Camera Stands, 8 x 60ft BNC/DC Extension Cables, 2 x 4 in 1 Camera Power Adaptors.					

Dimensions:

DVR

60mm/2.4"

299mm/11.8"   251mm/9.9"
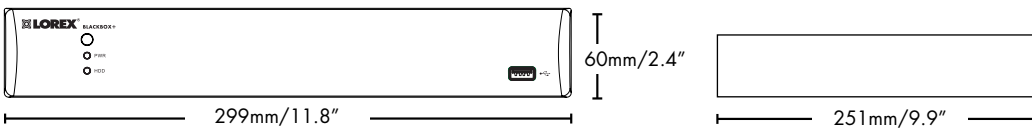
CVC7572PK4B CAMERA
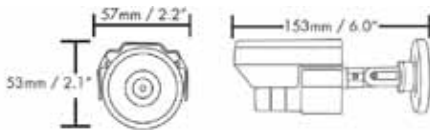
DISCLAIMERS:

1. Recording time may vary based on recording resolution & quality, lighting conditions and movement in the scene.
2. HDMI output (1920x1080) for high definition multi-channel live viewing only. 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.
3. When used with 960H compatible cameras. DVR is backwards compatible and supports different camera inputs: standard resolution and 960H.
4. Requires a high speed internet connection and a router (not included).
5. 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 ow light conditions.
6. Field of view, diagonal. If light level is too low, camera will switch over to B/W for increased light sensitivity.
7. Not intended for submersion in water. Installation in a sheltered location recommended.

† Smart Phone & Tablet Compatibility: iPad®, iPhone®, BlackBerry (supported model numbers: 9800, 9700, 9000), Android (version 1.5 & above), Windows Mobile (6.0, 6.5), Symbian 3rd & 5th generation phones. 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.

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