LOREX®
VIEW YOUR WORLD™

SECURITY CAMERA SYSTEM

KEEP IN TOUCH
STAY CONNECTED

INCLUDES

- 16 CHANNELS
- 8 CAMERAS
- 1 TB HDD
- 600 TVL
- 60 FT NIGHT VISION
- INTERNET SETUP WIZARD

- TOUCH OPERATION
- SMART-PHONE & TABLET VIEWING†
- MAC & PC INTERNET MONITORING
- RECORD 35 DAYS TO 9 MONTHS
- LOREX EASY CONNECT SETUP WIZARD

VANTAGE

LH320 EDGE+ SERIES

www.lorextechnology.com

LOREX® VIEW YOUR WORLD™ SECURITY CAMERA SYSTEM

INTUITIVE TOUCH NAVIGATION
High resolution viewing and exceptional playback.

PROFESSIONAL-GRADE VIDEO SURVEILLANCE
An expandable system that you can depend on.

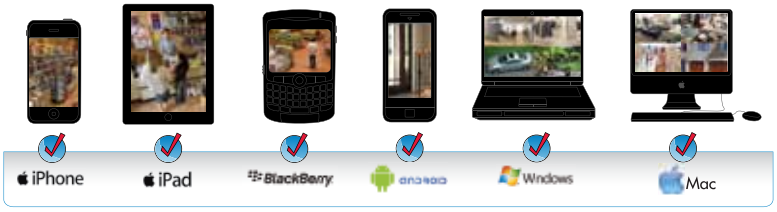
SLIM DESIGN AND SILENT OPERATION
You can easily conceal you DVR.

ANTI-GLARE TECHNOLOGY
Get clear images under any lighting conditions.

ULTIMATE CONNECTIVITY
Keep in touch using any device from anywhere in the world.

24" Touch Monitor not included

CONNECTIVITY & COMPATIBILITY*



*** For the latest smart phone compatibility list & free App download† check www.lorextechnology.com**

VANTAGE

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LOREX® VIEW YOUR WORLD™ SECURITY CAMERA SYSTEM

DIGITAL VIDEO RECORDER:

- H.264 video compression.[1] DVI/VGA, HDMI compatible•
- Pentaplex operation - View, Record, Playback, Back Up & Remotely Control the system simultaneously
- Recording options : Motion, schedule or continuous
- Small form factor (7.0x11.5x1.5")
- "Flex" IR extender for remote control (line-of-sight not required)
- USB: backup, image transfer, firmware upgrade, mouse & Touch operation
- PTZ cameras supported (RS485)

CONNECTIVITY

- Instant Mobile Viewing on compatible Smart phones†
- Exclusive LOREX Easy Connect Internet Set-up Wizard[2]
- PC (Microsoft Windows™ 7/Vista/XP compatible) using Internet Explorer®
- Mac™ compatible using Safari browser
- Free LOREX DDNS (Dynamic Domain Name Service) for advanced remote connectivity at all times
- Instant e-mail alerts

WHAT'S INSIDE IN THE BOX:

- DVR with pre-installed HDD*
- High-resolution cameras*
- Easy-to-follow setup instruction guide and manual
- ALSO INCLUDES: Remote Control, Power Adapters, Mouse, Ethernet Cable, DVI to VGA Converter, 60ft Camera Extension Cables per camera.

VESA MOUNT

Easily mounts to the back of an LCD monitor†† (Requires clear access to the VESA mounting holes).

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LOREX® VIEW YOUR WORLD™ SECURITY CAMERA SYSTEM

CAMERA FEATURES:

VIEW YOUR WORLD -
IN SUPER RESOLUTION.

- BRIGHTNIGHT VIEWING
- CLOSE-UP RECOGNITION IN THE DARK
- INSTALL INDOORS AND OUTDOORS

A SUPER RESOLUTION PERSPECTIVE

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

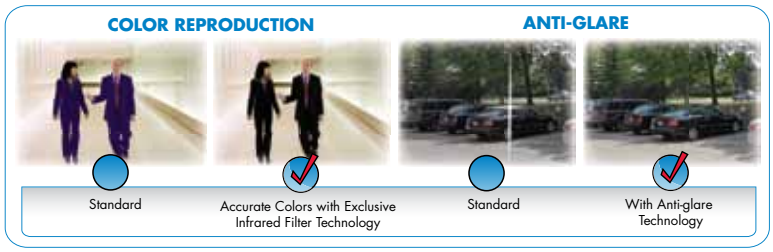
TRUE COLORS

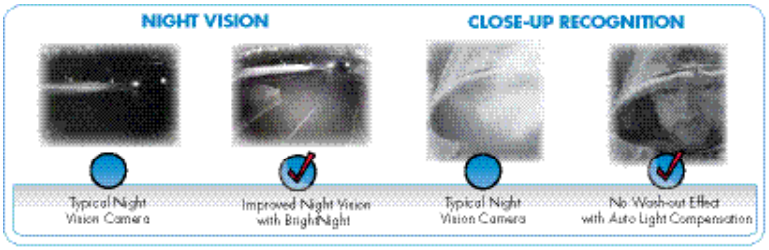
See accurate colors with Lorex's automatic light filtering technology.

A RELIABLE SOLUTION

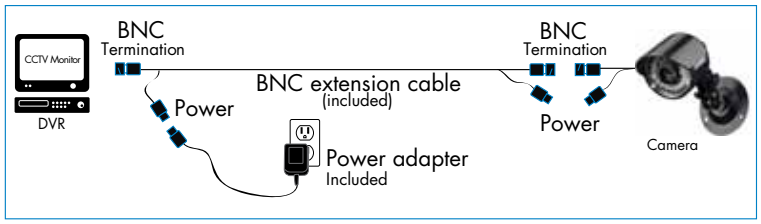
Patented ImageCool™ technology ensures cooler operation and long-term performance.

- Super resolution 1/3" image sensor produces sharp and clear video at 600 TV lines of resolution
- BrightNight viewing with enhanced low light image sensor
- Close-up recognition at night with auto light compensation prevents wash-out effect
- Reliable camera operation coupled with patented ImageCool™ technology ensures optimal performance in extreme temperatures (–22° ~ 122°F / –30° ~ 50°C)
- Patented ImageCool™ technology for improved video performance in high temperature conditions
- Automatic Infrared Filter ensures true color in all lighting conditions
- 3.6mm wide-angle lens captures a 78° field of view
- Anti-glare feature ensures clear images under strong lighting conditions
- Night vision range up to 60ft (18m)[3]
- True Day/Night mode: Picture automatically switches to B&W delivering better clarity in low light conditions
- Weatherproof Design for outdoor & indoor applications (IP66)[4]
- Integrated 3ft camera cable for flexible installation and protection from the elements
- Versatile mounting options: ceiling, counter or wall mountable
- 60ft BNC/Power extension cable included per camera
- Energy-efficient CEC (California Energy Commission) compliant power adapter included





Camera Installation Diagram



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SPECIFICATIONS

DVR:

SYSTEM	
Operating System:	Linux (embedded)
Pentaplex:	Simultaneous View, Record, Playback, Backup & Remote Monitoring
Number of Channels:	**16** Channel
Inputs/Outputs	
Video In:	16 x 1Vp-p, 75ohms, BNC
DVI Out :	DVI compatible. DVI to VGA Converter included
Audio In:	2 Line in(RCA)
Audio Out:	2 line out(RCA)
USB Port:	2 front & back
Alarm In:	4 x TTL, programmable as NC/NO
Alarm Out:	1 x Relay with NO/NC contact
PTZ Control:	By Terminal connector (RS485)
Display	
Live Display:	1 or 4 or 9 or 16 (16ch)
Live Display Speed:	240 (8ch)/ 240 (16ch) NTSC, 200 (8ch)/ 200 (16ch) PAL
OSD:	ON/OFF
OSD Navigation:	USB Mouse, IR Remote Controller, Front Panel Controls
Activity Detection:	6 x 8 grid
Sensitivity Levels:	100
System Control:	USB Mouse, Front Panel Controls, Handheld Remote Control
Firmware Upgrade:	Via USB device
User Authority:	ADMIN/USER/GUEST
RECORDING	
Video Compression:	H.264
Audio Compression:	ADPCM
Recording Speed & Resolution:	**16 Channel:** 240 fps (NTSC), 200 fps (PAL) @ 320 x 240 NTSC / 320 x 256 PAL
	120 fps (NTSC), 200 fps (PAL) @ 640 x 240 NTSC / 640 x 256 PAL
	60 fps (NTSC), 100 fps (PAL) @ 640 x 480 NTSC / 640 x 512 PAL
Recording Resolution Setting:	Programmable per camera
Recording Quality Control:	5 levels
Image Size: (320x240, 320x256)	8.51 Kbyte (640x480,640x512), 11.2 Kbyte (640x240, 640x256) 14.13 Kbyte
Recording Modes:	Continuous, motion, alarm
Pre Recording:	Max. 10 seconds
Post Recording:	Max. 255 seconds
Alarm Recording:	Programmable per camera
Reliability:	Watch-Dog, Auto-recovery after power failure

PLAYBACK	
Playback Display:	1,4,9,16 (16ch)
Playback Speed:	Variable up to 60x
Playback Players:	Apple QuickTime Player
Search:	By time & event
STORAGE & ARCHIVE	
Storage:	Up to 1 HDD's (SATA)
Maximum Capacity:	Up to 2TB
Backup Media:	USB Flash Drive (max 4GB)
Backup File Format:	MOV file (Codec included)
Bookmark Archiving:	Supported
CONNECTIVITY	
Easy Connect:	1. Yoics Enabled (registration required) 2. Lorex Auto Port Forward Wizard
Software:	Web browser
Supported Operating Systems:	Windows™ XP, Vista, 7 and Apple Mac (via Safari browser)
Browsers:	Internet Explorer, Safari
Email Notification:	Snap Shot attachment (8/16ch)
Mobile Connectivity:	iPad™ , iPhone™ - 3.1.2 and above, Blackberry™ - (supported model numbers: 9700, 9800, 9000, 8900), Android (version 1.5 & above), Windows Mobile™ smart phones – 6.0 and above touch screen smart phones
DDNS:	Free Lorex DDNS
Web Server Port:	Programmable by User
Network Protocol:	LAN, DHCP, Dynamic IP, DDNS
Network Interface:	10/100-Base-TX, RJ-45
Network Speed Control:	10 levels (28.8Kb ~ 1.5MB)/sec.
GENERAL	
Power Consumption:	Approx. 30 watts
Supply Voltage:	120VAC-240VAC, 12VDC, 2.5A(4ch) 3A(8/16ch), 50/60Hz
Unit Dimensions (W x D x H):	11.6" x 7.2" x 1.67" 290mm x 180mm x 41.8mm
Unit Weight:	3.2±0.22 lbs / 1.45±0.1 kg (8/16ch)
Operating Temperature:	41° ~ 104° F / 5° ~ 40° C
Humidity:	10 ~ 75% NC

CAMERA (CVC7575PK4B):

Image Sensor	1/3" Color Image Sensor
Video Format	NTSC
Effective Pixels	H: 720 V: 480
Resolution	600 TV Lines
Scan System	2:1 Interlace
Sync System	Internal
S/N Ratio	48dB (AGC Off)
Iris	AES
AES Shutter Speed	1/60 ~ 1/25,000 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 F2.0 / Fixed
FOV (Diagonal)	78°
Termination	BNC Type
IR LED Qty / Type	18 pieces / 850nm
Night Vision Range	60ft / 18m
Power Requirement	12V DC ±10%
Power Consumption	Max. 250mA (w/IR)
Operating Temp. Range	14° ~ 122°F / -10° ~ 50°C
Operating Humidity Range	< 90% RH
Environmental Rating	IP66
Weight (incl. stand)	0.7lbs / 0.3kg

PRODUCT INFORMATION

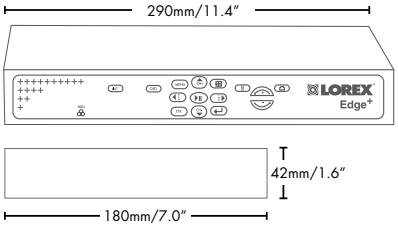
Back Panel - 16 Channel DVR

Product Information:

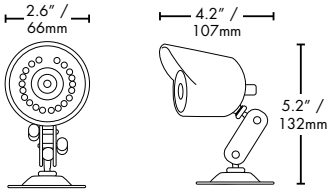
MODEL	CONFIGURATION	PACKAGE	W x D x H in & mm	WEIGHT	CUBE	UPC Code
LH36810B	16 ch Edge+ DVR x 1TB HDD x 8 (600) TVL Cameras (CVC7575PK4B)	Brown Box	320mm x 349mm x 317mm/ 12.6" x 13.7" x 12.5"	17.7 kg/39.1 lb	0.067 CBM / 2.41 CBF	7-78597-32617-8
Includes	16 ch DVR, HDD Pre-Installed, Remote Control & "Flex" IR controller, Power adaptor for DVR, Mouse, Ethernet Cable, DVI to VGA Converter, 2 screws (for key-hole style VESA mounting), 8 x Cameras, 8 x Camera Stands, 8 x 60ft BNC Extension Cables, 2x 4 in 1 camera power adaptors.					

Dimensions:

DVR



Camera (CVC7575)



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) Infrared illumination range under ideal conditions. Actual range and clarity may vary depending on scene/object reflection and camera application
4) Not intended for submersion in water. Installation in a sheltered location recommended.

• DVI to HDMI converter cable required. (not included).

† Instant Mobile Viewing on iPad™, iPhone™ , BlackBerry (supported model numbers: 9700, 9800, 9000, 8900), Android (version 1.5 & above) and Window Mobile (6.0 & above). Selectable one channel live viewing. Mobile phone data plan is required (not included). Router port forwarding required. For the latest smart phone compatibility list check www.lorextechnology.com as new smart phone models become available in the market.

†† Easily mounts to the back of an LCD monitor with VESA standard mounting holes and an independent stand. Requires clear access to the 100 x100 mm VESA mounting holes.

* 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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