



HOME & BUSINESS SECURITY

H.264 HIGH PERFORMANCE, INTERNET REMOTE VIEWING, DAY/NIGHT VIDEO SURVEILLANCE SYSTEM



3G
Compatible
Instant Mobile
Viewing

Anywhere
Anytime

Mobile viewing using iPhone™, or Windows Mobile™ 6.0 and above touch screen 3G smart phones.



Easily Connects
to a Monitor with a
VGA Input



LH314321C4, LH314501C4, LH314321C4F, LH314321C4B LH314321C4FMX DVR with CVC6940 Series Cameras



LH314501C4F DVR with CVC6930 Series Cameras



LH314501C4B DVR with SG7530 Series Cameras

The Edge in Video Surveillance

- **CONNECT easily:** Connect to any PC monitor using VGA connection. Ultra small form-factor and space-saving design allows you to conveniently mount the DVR to the back of an LCD monitor (VESA standard)†.
- **SEE everything:** Monitor your property, indoors and outdoors, day or night with the included 4 night-vision weather proof cameras. Exceptional playback quality allows you to see and identify your critical events.
- **RECORD what happens:** Advanced H.264 video compression maximizes high resolution recording on a security certified hard disk drive. Pentaplex operation allows you to view, record, playback, back up & remotely control the system simultaneously.
- **PROTECT what matters:** Connect anytime over the internet using a web browser, from anywhere in the world to view or playback video that is important to you.

Safeguard your business or home. Includes DVR, Cameras, Cables, Remote Access Software and Quick Start Guide. It's complete!

VESA MOUNT - CONNECTS TO BACK OF MONITOR

(Requires clear access to the VESA mounting holes. Monitor not included)



LH314 "Edge" Series

COMPONENT SURVEILLANCE SYSTEM

www.lorextechnology.com

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Digital Video Recorder:

- Stand alone network 4 channel DVR
- EDGE design for stand alone or VESA mount (Wall & LCD)
- 3D graphics, crisp, color rich, high contrast video
- VGA output for display on LCD PC monitor or TV
- H.264 compression for efficient file transfer & storage (up to 50% more than MPEG4)*
- Pentaplex operation - View, Record, Playback, Back Up & Remotely Control the system simultaneously
- View and record at VGA resolution (640 x 480) per channel
- Small form factor (7.0x11.5x1.5")
- Expandable up to 1TB "Security Certified" SATA HDD
- "FLEX" IR controller (line-of-sight not required)
- USB ports for backup, image transfer, firmware upgrade and mouse
- Alarm Input/Output (4/1), 2 Audio Inputs/Outputs
- Recording options: motion detection, schedule or continuous
- System menu in 17 languages including English, French and Spanish

Cameras (CVC6940, CVC6930 Series):

- Resolution: 420 TV Lines
- **CVC6940 Series:** 18 IR LEDs provides night vision range of 50ft (15m)**
- **CVC6930 Series:** 18 IR LEDs provides night vision range of 40ft (12m)*****
- True Day/Night operation using built-in IR Filter Changeable Mechanism to achieve accurate color representation in changing lighting conditions
- Advanced Day/Night mode: picture automatically switches to B&W delivering better clarity in low light conditions
- Easy connect to any DVR, observation system, TV or VCR
- Weatherproof Design: ideal for Outdoor and Indoor applications (IP66***)

Cameras (SG7530 Series):

- High Resolution Image Sensor
- IR Cut Filter provides accurate color reproduction in all lighting conditions
- 18 High Intensity IR LEDs provide effective night vision range up to 50 ft. (15 m)**
- Day/Night mode: Picture automatically switches to B&W delivering better clarity in low light conditions
- Weatherproof cameras ideal for indoor and outdoor applications (IP66)***
- A single 4-in-1 power adaptor provides power to all 4 cameras
- Industry standard BNC termination
- 60 ft. (18 m) extension cable included per camera
- Ceiling, counter or wall mountable camera with versatile stand provides flexible mounting options

Web Browser Remote Access Software:

- Internet Remote Functions****: View, Search & Playback, Back-up and Setup
- Web browsers supported: Internet Explorer and Firefox
- E-mail alerts informs you when events occur
- Microsoft Windows XP™, Vista™ Compatible
- Lorex DDNS (Dynamic Domain Name System) service keeps you connected anywhere all the time

Easy Connect & Instant Mobile Viewing†:

- Lorex Easy Connect Internet Remote Viewing using Internet Explorer web browser only. Hassle-free installation with no need to port-forward your router. Free firmware download is available from www.lorexctv.com
- Instant Mobile Viewing on an iPhone™ using an iPhone™ App. Free download available from Apple™ Store under the name "Lorex Live". Compatible with iPhone™ version 3.1.2 and above.
- Instant Mobile Viewing on Windows Mobile™ 6.0 and above (free download available from www.lorexctv.com)



NOTE: SG7530 camera includes a mechanical Auto IR Cut Filter. When the camera changes between Day/Night lighting, an audible clicking noise may be heard from the camera. This clicking is normal, and indicates the camera filter is working.



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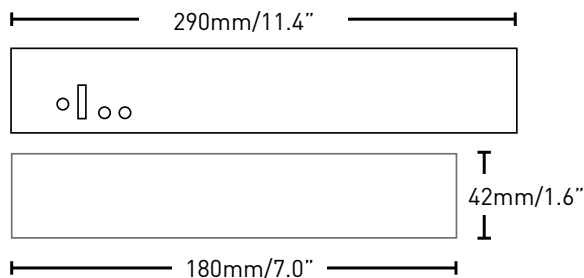
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Product Information:

Model#:	LH314321C4 Giftbox: with 320GB HDD. UPC Code: 7-78597-31404-5 LH314501C4 Giftbox: with 500GB HDD. UPC Code: 7-78597-31406-9 LH314321C4F Universal Package: 320GB HDD. UPC Code: 7-78597-31407-6 LH314501C4F Universal Package with CVC6930 Cameras: 500GB HDD. UPC Code: 7-78597-31413-7 LH314321C4B Brown Box: with 320GB HDD. UPC Code: 7-78597-31405-2 LH314501C4B Brown Box: with 500GB HDD. UPC Code: 7-78597-31424-3 LH314321C4FMX Universal Package for Mexico: 320GB HDD. UPC Code: 7-78597-31418-2
Weight:	6.1kg/13.4 lbs
Cube:	0.02174m / 0.77648ft
Package	327mm x 325mm x 212mm / 12.9" x 12.9" x 8.4" (W x D x H)
Includes:	4 Channel DVR, HDD Pre-Installed, Remote Control & "Flex" IR controller, Power adaptors for DVR, Mouse, Ethernet Cable, 4 x Cameras, 4 x Camera Stands, 4 x BNC to RCA Adaptors, 4 x 60ft BNC Extension Cables, 4 x Camera Power Adaptors (or 4 in 1 camera power adaptor), 2 screws (for key-hole style VESA mounting)

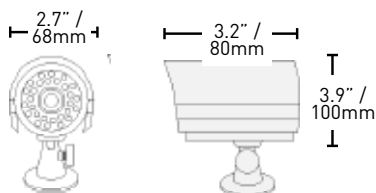
Dimensions:

DVR

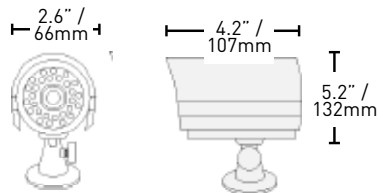


CAMERAS

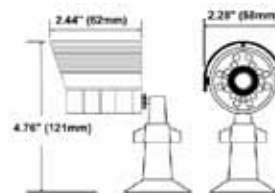
CVC6940



CVC6930



SG7530



Back Panel:



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Specifications:

DVR:

Hard disk Capacity:	Supports 1 HDD (Max 1000GB), 100% duty cycle
Operating System:	Linux (embedded)
Back-up:	USB Default (USB flash drive)
Back-up file Formats:	MOV
Compression:	H.264
Recording Resolution:	NTSC: 640 x 240, 640 x 480, PAL: 640 x 256, 640 x 512
Recording Speed	120fps(NTSC)/100fps(PAL) @ 640 x 240 / 640 x 256 NTSC/PAL 60fps(NTSC)/50fps(PAL) @ 640 x 480 / 640 x 512 NTSC/PAL
Record Scheduling:	Daily, Weekly adjust specific Hr per channel
Pre/Post alm recording:	3~10 seconds (Pre); 1~255 sec.(Post), programmable
Event/Log search:	Up to 4096 for alarm, motion, video loss, power loss
Playback:	Single, Quad
Video Inputs:	4x 1Vp-p, 0.75ohms, BNC
Video Output:	1 x VGA
Audio Inputs:	2 x line-in, RCA
Audio Output:	2 x line-out, RCA
Supply Voltage:	120VAC-240VAC, 12VDC , 2.5A, 50/60Hz
Power Consumption:	Approx. 30 watts
Operating Temp. Range:	41°~104° F / 5° ~ 40° C
Alarm Inputs:	4 x TTL, programmable as NC/NO
Alarm Outputs:	1 x Relay with NO/NC contact
Activity Detection:	4 x 3 grid, Sensitivity levels: 100
Unit Weight:	1.45 kg/3.19 Lbs
Unit Dimensions:	12.7" / 290mm 14"/180mm 14"/41.8mm (W X D X H)
Carton Weight:	14.02 kg/30.84 lbs
Carton Dimensions:	11.3" / 325mm x 7.02"/360mm x 1.63"/360mm (W X D X H)
Remote Functions:	Live View, Live Recording, Search, Set-up, Back-up
Network Speed Control:	10 levels (28.8Kb ~ 8MB)/sec.
Network Protocol:	TCP/IP, DDNS and Web
Network Interface:	10/100-Base-TX, RJ-45

* Recording capacity may vary based on recording resolution & quality, lighting conditions and movement in the scene.

** IR illumination range up to 50 ft (15M) under ideal conditions. Objects at or beyond this range may be partially or completely obscured, depending on the camera application.

*** Not for use in direct exposure to water, rain or snow.

**** Requires a high speed internet connection and router (not included)

***** IR illumination range up to 40 ft (12M) under ideal conditions. Objects at or beyond this range may be partially or completely obscured, depending on the camera application.

† Easily mounts to the back of an LCD monitor with VESA standard mounting holes and an independent stand (monitor not included). Requires clear access to the 100 x 100 mm VESA mounting holes.

‡ Instant Mobile Viewing on an iPhone™ or Windows Mobile™ 6.0 and above: Selectable one channel live viewing.

Mobile phone data plan is required (not included). Router port forwarding is required.

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CAMERA: (CVC6940, CVC6930)

Image Sensor:	1/4" Color Image Sensor
Video Format:	NTSC
Effective Pixels:	H: 640, V: 480
Resolution:	420 TV Line
Scan System:	2:1 Interlace
Sync System:	Internal
S/N Ratio:	More than 40dB
Iris:	AES
AES Shutter Speed:	1/30~1/62,500 Sec
Min Illumination:	0.6 Lux without IR LED, 0 Lux with IR LED
Video Output:	Composite 1.0Vpp @ 75 ohm
Lens/ Lens Mount CVC6940:	5mm F 2.8/ Fixed
Lens/ Lens Mount CVC6930:	3.6mm F 1.8/ Fixed
FOV (Diagonal):	50 degrees
Termination:	BNC Type
IR LED/ Night Vision Range: CVC6940	18 pieces / 850 nm / 50ft
IR LED/ Night Vision Range: CVC6930	18 pieces / 940 nm / 40ft
Power Requirement:	12 VDC
Power Consumption:	170 mA or 2W max
Operating Temp Range:	-10° ~ 50° C (-4°F ~ 122°F)
Environmental Rating:	IP 66

CAMERA: (SG7530)

Image Device:	1/4" Color Image Sensor
Effective Pixels:	H: 656, V: 492
Scan System:	2:1 Interlace, NTSC: 525 lines
Resolution:	Horizontal 450 TV Lines
AES Shutter Speed:	1/60~1/50,000 Sec
S/N Ratio:	More than 48dB (AGC off)
Sync System:	Internal
Mini Illumination:	3.0 Lux @F1.2 (no LED), 0 Lux (with LED)
IR LED/ Night Vision Range:	8 pieces / 850 nm / 50ft
Video Output:	1.0Vp-p @ 75 ohms
White Balance:	AWB
Termination:	BNC
Lens:	Fixed Lens (3.6mm)
Viewing Angle:	H:59°; V:44°; D:73°
FOV (Diagonal):	73 degrees
Power Requirement:	DC 12V
Power Consumption:	with IR: Max - 280 mA w/o IR: Max 90mA
Operating Temp Range:	-10° ~ 50° C (14° ~ 122°F)
Operating Humidity:	within 90% RH
Weight (with stand):	0.60 LB / 0.27 KG
Environmental Rating:	IP 66

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