

SECURITY CAMERA SYSTEM

KEEP IN TOUCH STAY CONNECTED



- HIGH DEFINITION HDMI OUTPUT
- MULTI-TOUCH INTERFACE
- INTERNET MONITORING ON PC & MAC
- MOBILE CONNECTIVITY
- SLIM EDGE2 DESIGN
- FLEXIBLE INSTALLATION

VANTAGE

LH330 Edge2 Series

www.lorextechnology.com



SECURITY CAMERA SYSTEM

HDTV-READY

High Definition interface with HDMI output for easy connection to a TV.

INTUITIVE TOUCH NAVIGATION

High resolution viewing and exceptional playback.

PROFESSIONAL-GRADE VIDEO SURVEILLANCE

An expandable system that you can depend on.

ANTI-GLARE TECHNOLOGY

Get clear images under any lighting conditions.

SLIM YET POWERFUL

Powerful performance in a compact size. The smallest full-featured DVR in the market.

KEEP IN TOUCH WITH YOUR WORLD

Use your smartphone, tablet, PC, or Mac to connect, view and control your system.

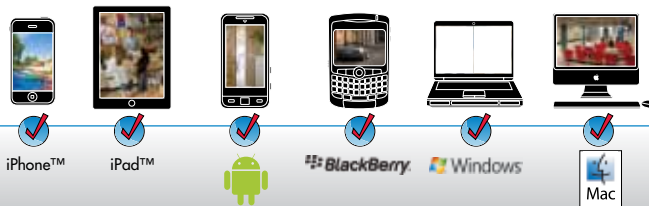
EASE OF USE, END TO END

Internet setup wizard, triple touch operation and dedicated Apps give you the peace of mind at the tip of your fingers.



Touch Monitor not included.

REMOTE CONNECTIVITY & COMPATIBILITY*



* For latest Smartphones and Tablets compatibility list and free App download check www.lorextechnology.com†

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SECURITY CAMERA SYSTEM

ADDITIONAL FEATURES (DVR):

- Detail you can count on day and night. HD output (HDMI) with exceptional playback quality.
- Keep in Touch with your world. Use your smart phone, tablet, PC or Mac to connect , view and control your system.
- Reliability you can depend on. Powerful performance in a compact size.
- Slim yet powerful. The smallest full-featured DVR in the market.
- Ease of use, end to end. Internet setup wizard, touch operation and dedicated Apps give you the peace of mind at the tip of your fingers.
- Finger -tip operation. Point, Tap, scroll and swipe to control your DVR.
- Backup critical video the way that suits you best. USB external storage or remotely to your tablet or PC. Swipe-to-Switch. Dynamic allocation of camera position in live viewing mode.
- Scroll-to-Search. Unique event log search while viewing playback footage for an efficient review of events that happened in the course of a day.



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SECURITY CAMERA SYSTEM

DIGITAL VIDEO RECORDER:

- HDMI output in full 1080p – simple connection to HDTVs¹
- Triple Touch Technology using a touch screen monitor², Light touch front panel controls, smartphones / tablets
- 24x7 100% duty cycle HDD
- Pentaplex operation - View, Record, Playback, Backup & Remotely control the system simultaneously
- Recording options : Motion, schedule or continuous
- Small form factor (11.6 x 6.5 x 1.3")
- 3 x USB 2.0 ports (mouse, touch monitor, backup, firmware upgrade)
- VESA Mount (easily mounts to the back of an LCD monitor) ††
- "Flex" IR extender for remote control (line-of-sight not required)
- Swipe-to-Switch dynamic allocation of camera location in live viewing
- Intuitive search at your finger tips with multi-channel preview second by second
- Scroll-to-Search through recorded event list with image preview
- Covert camera feature allows the DVR administrator to monitor cameras while hiding them for regular users.
- Multi-language interface (21 languages supported)
- PTZ cameras supported (RS485)

CONNECTIVITY

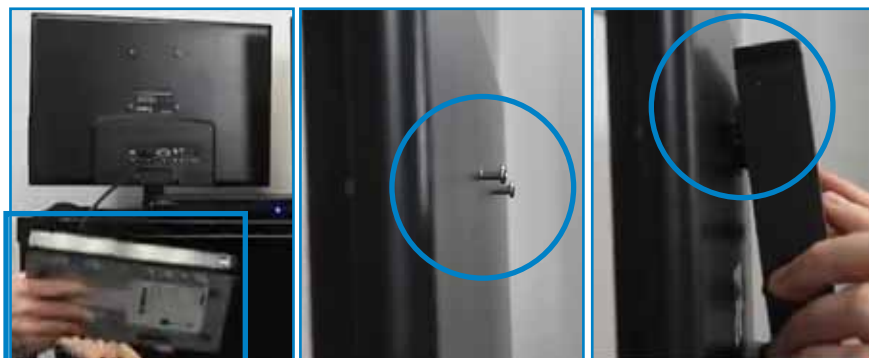
- Instant Mobile Viewing on compatible Smartphones†
- Dedicated iPad™ app with multi-channel live viewing, playback, backup & setup.
- Exclusive LOREX Easy Connect Internet Set-up Wizard³
- Lorex Edge Client Software:
 - PC (Microsoft Windows™ 7/Vista/XP compatible) using client software (included) & web browser.
 - Mac remote client software (included)
- Free LOREX DDNS (Dynamic Domain Name Service) for advanced remote connectivity at all times
- Instant e-mail alerts with snap shot attachments and web link

COMPLIANCE:

- CEC energy efficient power adapter
- Energy efficient HDD
- ROHS
- Industry standard video inputs (BNC) and outputs (HDMI, VGA)

VESA MOUNT

†† Easily mounts to the back of an LED or LCD monitor (requires clear access to the VESA mounting holes)

VANTAGE**LH330 Edge2 Series**

SECURITY CAMERA SYSTEM

VIEW YOUR WORLD - IN SUPER+ RESOLUTION.

- ▶ CAPTURE MORE DETAIL
- ▶ LONG RANGE BRIGHT-NIGHT VIEWING
- ▶ EXTREME TEMPERATURE PERFORMANCE

A SUPER+ RESOLUTION PERSPECTIVE

Detail you can count on Day & Night.

CLOSE-UP RECOGNITION IN THE DARK

Auto-light compensation sensory prevents wash-out effect enabling facial identification.

RELIABILITY IN THE EXTREME

Install outdoors or indoors even in extreme temperatures.

- Super+ resolution sensor provides clear video day and night
- IR Cut Filter provides accurate color reproduction in any lighting conditions
- BrightNight and close-up recognition in the dark⁴
- Extreme temperature performance (-22°~122°F / -30°~50°C)
- Anti-glare ensures clear images under strong lighting conditions
- All purpose cameras with flex mounting for indoor or outdoor installation (IP66)⁵

MOUNTING OPTIONS

Extreme Temperature Performance

{-22° ~ 122°F / -30° ~ 50°C}

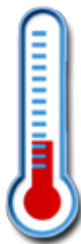


TABLE MOUNT

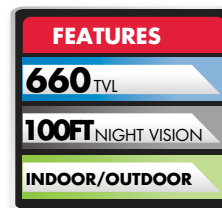
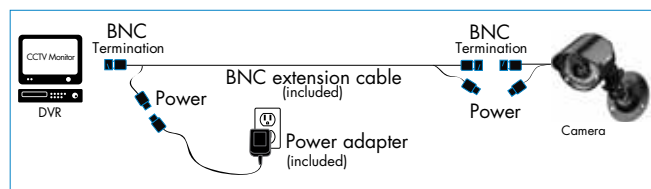


CEILING MOUNT



WALL MOUNT

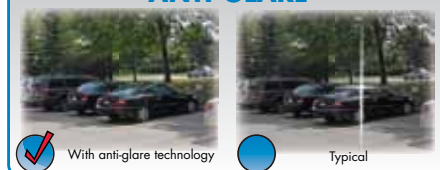
CAMERA INSTALLATION DIAGRAM



ACCURATE COLORS



ANTI-GLARE



BRIGHT NIGHT



CLOSE-UP RECOGNITION



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SECURITY CAMERA SYSTEM



VIEW YOUR WORLD - IN SUPER+ RESOLUTION.

- ▶ LONG RANGE BRIGHT-NIGHT Viewing
- ▶ WIDE-ANGLE COVERAGE
- ▶ TRUE COLOR PICTURE

A SUPER+ RESOLUTION PERSPECTIVE

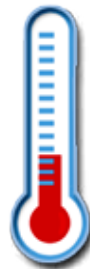
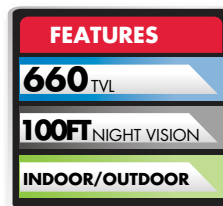
Detail you can count on Day & Night

CLOSE-UP RECOGNITION IN THE DARK

Auto-light compensation sensory prevents wash-out effect enabling facial identification.

RELIABILITY IN THE EXTREME

Advanced camera operation coupled with patented ImageCool™ Technology ensures optimal performance in extreme temperatures (-22° ~ 122°F).

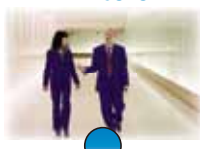


Extreme Temperature Performance
(-22° ~ 122°F / -30° ~ 50°C)

FEATURES

- Super+ resolution with megapixel optics delivering crystal clear video at 660TVL lines of resolution
- BrightNight viewing with enhanced low-light image sensor
- Close-up recognition at night with auto-light compensation prevents wash-out effect
- Anti-glare feature ensures clear images under strong lighting conditions
- Accurate colors with Lorex's automatic light filtering technology
- Reliable camera operation coupled with patented ImageCool™ technology ensures optimal performance in extreme temperatures (-22° ~ 122°F / -30° ~ 50°C)
- Long range infrared (IR) night vision 100ft (30m)⁴
- Split glass design minimizes IR reflection
- 3.6mm wide-angle lens captures a 78° Field of View (diagonal)⁶
- Day / Night mode: picture automatically switches to B&W delivering better clarity in low light conditions
- Versatile mounting options: ceiling, counter or wall mountable
- Weatherproof design: ideal for indoor and outdoor applications (IP66)⁵

COLOR REPRODUCTION



Typical Camera



Accurate Colors with Exclusive Infrared Filter Technology

ANTI-GLARE



Typical Camera



With Anti-glare Technology

NIGHT VISION



Typical Night Vision Camera



Improved Night Vision with BrightNight

CLOSE-UP RECOGNITION



Typical Night Vision Camera



No Wash-out Effect with Auto Light Compensation

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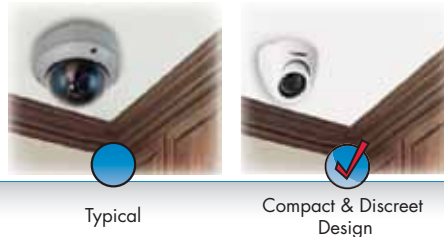
SECURITY CAMERA SYSTEM



VIEW YOUR WORLD - IN SUPER RESOLUTION.

- ▶ BRIGHT-NIGHT VIEWING
- ▶ SHARP VIDEO DAY AND NIGHT
- ▶ CLOSE-UP RECOGNITION IN THE DARK

CAMERA HOUSING



SUPER RESOLUTION

Delivering 600TV lines of detailed video with vibrant colors

DESIGNED TO BLEND

Compact shape and design gives it a discreet appearance

FLEXIBLE INSTALLATION OPTIONS

Ceiling and wall mountable

FEATURES

- Super resolution with enhanced optics delivering crystal clear video at 600TV lines of resolution
- BrightNight viewing for clearer and brighter night time video
- Close-up recognition at night with auto-light compensation prevents wash-out effect
- Anti-glare feature ensures clear images under strong lighting conditions
- Accurate colors with Lorex's automatic light filtering technology
- Night vision up to 50ft (15m) away in total darkness ⁴
- See the bigger picture with 3.6mm wide angle view lens (78° FOV) ⁶

RESOLUTION COMPARISON



Standard Resolution

Super Resolution

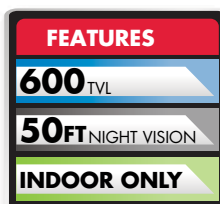
NIGHT VISION COMPARISON



Typical

Improved Night Vision
with BrightNight

VANTAGE
LH330 Edge2 Series



SPECIFICATIONS

DVR:

SYSTEM

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

Inputs/Outputs

Video In:	16 x 1Vp-p, CVBS, 75ohms, BNC
VGA Out:	VGA compatible
HDMI Out:	HDMI compatible
Audio In:	1 Line in(RCA)
Audio Out:	1 line out(RCA)
USB Port:	2 front & 1 back
PTZ Control:	RS485

Display

Live Display:	1 or 4 or 9 or 16 (16ch)
Live Display Speed:	240/480 (6ch NTSC) 200/400 (16ch PAL)
OSD:	ON/OFF
Activity Detection:	1200
Sensitivity Levels:	100
System Control:	USB Mouse, Front Panel Controls, Handheld Remote Control, Touch Screen (Windows 7 touch compatible)
Firmware Upgrade:	Via USB device
User Authority:	ADMIN/USER1/USER2
Audio:	1-way audio conference (via network)

RECORDING

Video Compression:	H.264
Audio Compression:	PCM
Recording Speed & Resolution:	16 Channel 240 /200 @ 352x240 / 352x256 (NTSC / PAL) 120 /100 @ 704x240 / 704x256 (NTSC / PAL) 60 /50 @ 704x480 / 704x512 (NTSC / PAL)
Recording Resolution Setting:	Programmable per camera
Recording Quality Control:	5 levels
Image Size:	24 Kbyte (704x480), 12 Kbyte (704x240) 6 Kbyte (352x240)
Recording Schedule:	By hour, by day, by recording mode, by Ch
Recording Modes:	Continuous, motion activated
Pre Recording:	Max. 10 seconds
Post Recording:	Max. 255 seconds
Reliability:	Watch-Dog, Auto-recovery after power failure
Covert Video:	Dynamic allocation of cameras

PLAYBACK

Playback Display:	1,4,9,16 (16ch)
Instant Playback:	for quick review of log events
Playback Speed:	Variable (1, 5, 15, 60)
Playback Player:	Apple QuickTime multi-hour Player
Backup Player:	Apple QuickTime multi-hour Player
Search:	By time, event, scroll

STORAGE & ARCHIVE

Storage:	Up to 1 HDD (SATA)
Maximum Capacity:	Up to 2TB
Backup Media:	USB Flash Drive (max 16GB)
Backup File Format:	MOV file (Codec included)
Bookmark Archiving:	Supported

CONNECTIVITY

Easy Connect:	Lorex Auto Port Forward Wizard
Software:	Edge Client Software for PC & Mac
Supported Operating Systems:	Windows™: 7, Vista, XP Mac
Browsers:	Internet Explorer, Google Chrome (IE Tab) , Mozilla FireFox (IE Tab)
Email Notification:	Text with weblink & snap shot attachment
Mobile Connectivity:	iPad™ , iPhone™ - 4.0 and above, Blackberry™ - (supported model numbers: 9000, 9700, 9800), Android (version 2.1)
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:	100VAC-240VAC, 12VDC, 2.5A, 50/60Hz
Unit Dimensions (W x D x H):	11.6" x 6.2" x 1.1" 295mm x 167.4mm x 34.0mm
Unit Weight:	3.2 lbs
Operating Temperature:	41° ~ 104° F / 5° ~ 40° C
Humidity:	10 ~ 75% NC

VANTAGE

LH330 Edge2 Series

SPECIFICATIONS

CAMERA (CVC7660PK4B):

Image Sensor	1/3" Color Image Sensor
Video Format	NTSC
Effective Pixels	H: 720 V: 480
Resolution	660 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 @ 75ohm
Lens / Lens Type	6.0mm F2.0 / Fixed
FOV (Diagonal)	50°
Termination	BNC Type
IR LED Qty. / Type	18 pieces / 850nm
Night Vision Range	100ft / 30m
Power Requirement	12V DC ±10%
Power Consumption	Max. 280mA (w / IR)
Operating Temp. Range	-22° ~ 122°F / -30° ~ 50°C
Operating Humidity Range	< 90% RH
Environmental Rating	IP66
Weight (including stand)	0.6lbs / 0.3kg

CAMERA (CVC7662PK4B):

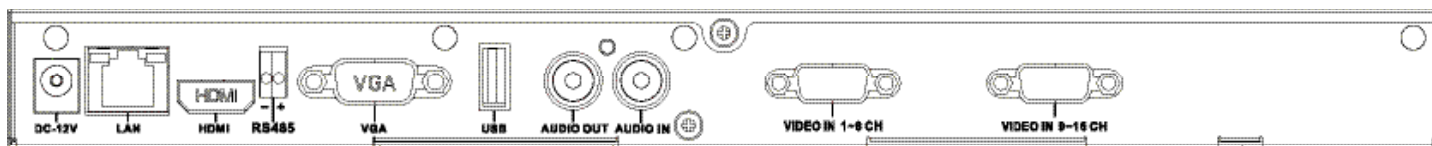
Image Sensor	1/3" Color Image Sensor
Video Format	NTSC
Effective Pixels	H: 720 V: 480
Resolution	660 TV Lines
Scan System	2:1 Interlace
Sync System	Internal
S / N Ratio	48dB (AGC Off)
Iris	AES
AES Shutter Speed	1/60 ~ 1/25,000 sec.
Min. Illumination	0.1 Lux without IR LED 0 Lux with IR LED
Video Output	Composite 1.0Vpp @ 75ohm
Lens / Lens Type	3.6mm F2.0 / Fixed
FOV (Diagonal)	78°
Termination	BNC Type
IR LED Qty. / Type	18 pieces / 850nm
Night Vision Range	100ft / 30m
Power Requirement	12V DC ±10%
Power Consumption	Max. 280mA (w / IR)
Operating Temp. Range	-22° ~ 122°F / -30° ~ 50°C
Operating Humidity Range	< 90% RH
Environmental Rating	IP66
Weight (including stand)	0.6lbs / 0.3kg

CAMERA (LDC6011PK2B):

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 @ 75ohm
Lens / Lens Type	3.6mm F2.0 / Fixed
FOV (Diagonal)	78°
Termination	BNC Type
IR LED Qty. / Type	10 pieces / 850nm
Night Vision Range	50ft / 15m
Power Requirement	12V DC ±10%
Power Consumption	Max. 240mA (w / IR)
Operating Temp. Range	14° ~ 122°F / -10° ~ 50°C
Operating Humidity Range	< 90% RH
Environmental Rating	Indoor use only
Weight	0.4lbs / 0.2kg

PRODUCT INFORMATION

DVR Inputs & Outputs

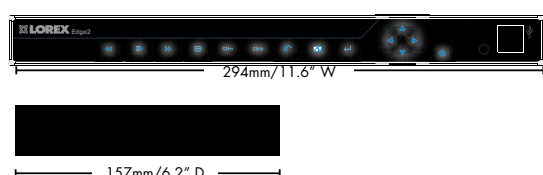


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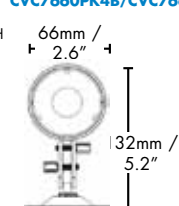
MODEL	CONFIGURATION	PACKAGE	W x D x H - mm & inches	WEIGHT	CUBE	UPC Code
LH3361001C8B	16ch Edge2 DVR x 8 (660) TVL Cameras (CVC7660PK4B) x 1TB HDD	Brown Box	320mm x 349mm x 317mm / 12.6" x 13.7" x 12.5"	9.8 kg / 21.8 lbs	0.035 CBM / 1.24 CBF	7-78597-33603-0
LH3362001C8B	16ch Edge2 DVR x 8 (660) TVL Cameras (CVC7662PK4B) x 2TB HDD	Brown Box	320mm x 349mm x 317mm / 12.6" x 13.7" x 12.5"	9.8 kg / 21.8 lbs	0.035 CBM / 1.24 CBF	7-78597-33607-8
Includes:	16 Channel DVR with pre-installed HDD, Remote Control, Flex IR, Mouse, Ethernet Cable, 2 x Octopus BNC Connector, 2 screws (for key-hole style VESA mounting), Power Adapter, Quick Start Guide, User Manual, CD with Client Software and Auto Port Forward Wizard, 8 x Cameras, 8 x Camera Stands, 8 x60ft BNC/DC Extension Cables, 2 x 4 in 1 Camera Power Adaptor.					
LH3361001C6B	16 ch DVR x 1TB HDD x 4 Cameras (CVC7662PK4B) x 2 Cameras (1 Camera pack) (LDC6011PK2B)	Brown Box	320mm x 349mm x 317mm / 12.6" x 13.7" x 12.5"	7.9 kg / 17.6 lbs	0.067 CBM / 2.41 CBF	7-78597-33605-4
Includes:	16 Channel DVR with pre-installed HDD, Remote Control, Flex IR, Mouse, Ethernet Cable, 2 x Octopus BNC Connector, 2 screws (for key-hole style VESA mounting), Power Adapter, Quick Start Guide, User Manual, CD with Client Software and Auto Port Forward Wizard, 4 x Bullet Cameras with stands, 2 x Dome Cameras, 2 x Mounting Kits, 8 x60ft BNC/DC Extension Cables, 1 x 4 in 1 Camera Power Adaptor, 2 x Power Adaptors (dome cameras).					
LH3362001C16B	16ch Edge2 DVR x 16 (660) TVL Cameras (CVC7662PK4B) x 2TB HDD	Brown Box	317mm x 678mm x 317mm / 12.5" x 26.7" x 12.5"	17.7 kg / 39.1 lbs	0.068 CBM / 2.41 CBF	7-78597-33606-1
Includes:	16 Channel DVR with pre-installed HDD, Remote Control, Flex IR, Mouse, Ethernet Cable, 2 x Octopus BNC Connector, 2 screws (for key-hole style VESA mounting), Power Adapter, Quick Start Guide, User Manual, CD with Client Software and Auto Port Forward Wizard, 16 x Cameras, 16 x Camera Stands, 16 x60ft BNC/DC Extension Cables, 4 x 4 in 1 Camera Power Adaptors.					

Dimensions:

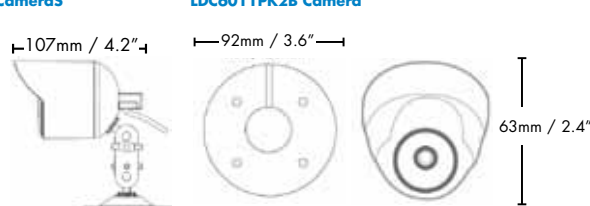
DVR



CVC7660PK4B/CVC7662PK4B CameraS



LDC6011PK2B Camera



DISCLAIMERS:

1. HDMI output 1080p (1920x1080) for high definition multi-channel live viewing only. High definition recording not supported, recording resolution is limited to a maximum of 704x480 per channel. Image quality and resolution is dependent on the type of camera connected to the DVR.
 2. Touch operation with Windows™ 7 Touch compatible touch screen monitor via USB connection.
 3. Requires a high speed internet connection and a router (not included).
 4. IR illumination range under ideal conditions. Objects at or beyond this range may be partially or completely obscured, depending on the camera application.
 5. Not intended for submersion in water. Installation in a sheltered location recommended.
 6. Field of view, diagonal.
- † Instant Mobile Viewing on iPad™, iPhone™, BlackBerry (supported model numbers: 9000, 9700, 9800) and Android (version 2.1). 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 75 x 75, 100 x 100 & 200 x 200 mm VESA mounting holes.
- 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.

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