HOME & BUSINESS SECURITY
23” LCD, H.264 HIGH PERFORMANCE, INTERNET REMOTE VIEWING, DAY/NIGHT
SECURITY CAMERA SYSTEM

CONNECT ★ PROTECT
• All-In-One 23” Monitor & Recorder
• 8 Cameras included
• Easy Internet Set-Up Wizard
• Instant Mobile Viewing
• Multi-Function Monitor (PC, Entertainment)

L23WD Series
INTEGRATED SURVEILLANCE SYSTEM

www.lorextechnology.com
# 23” LCD, H.264 HIGH PERFORMANCE, INTERNET REMOTE VIEWING, DAY/NIGHT SECURITY CAMERA SYSTEM

## System
- See and record up to 8 security cameras (4 cameras included).
- View crisp images on a 23” high resolution (1920x1080) widescreen LCD monitor with user-selectable aspect ratio (16:9, 4:3)
- Record 35 days continuously (or up to 9 months when using motion activated recording), with the advanced H.264 video compression technology recorded on a pre-installed 500GB 24/7 100% duty-cycle hard disk drive (expandable to 2TB)!
- Playback recorded video and view live video at the same time using Quick-Log View
- Search recorded video quickly by: time, event or unique panorama search (view multiple time periods on the same screen)
- Backup critical images to any USB media device on a scheduled basis, convenient and quick archiving
- Octaplex operation allows you to perform 8 powerful tasks simultaneously from your local system and a remote computer: view, record, playback, backup, configure & multifunction PC monitor/entertainment display /PVM

## Connectivity
- Connect instantly while on the go using LOREX Instant Mobile Viewing on iPhone™, Blackberry™, Windows® Mobile, Android™ and other compatible 3G smart phones. Receive email alerts to keep you informed about any motion or alarm events detected by the system†
- Setup easily with the exclusive LOREX Easy Connect Internet Wizard, which automatically configures your router for internet remote viewing with the press of a button!
- Control the system from anywhere in the world using Internet Explorer® web browser on a PC (Microsoft Windows™ 7/Vista/XP compatible). Free LOREX DDNS service keeps you connected at all times.
- View remotely on an Apple Mac computer using the Safari web browser for selectable single channel live viewing
- Multi-task efficiently with Picture-in-Picture (PIP) allowing you to keep an eye on the cameras while in a different modes: computer monitor (DVI input) and entertainment display (component input)

## Disclaimers
1. Recording time may vary based on recording resolution & quality, lighting conditions and movement in the scene. Storage calculator included on your CD.
2. Requires a high speed internet connection and UPNP (Universal Plug & Play) router - not included.
3. Always use discretion when installing video and/or audio surveillance equipment especially when there is perceived privacy. Inquire regarding federal, state and/or local regulations applicable to the lawful installation of video and or audio recording or surveillance. Party consent may be required.

† Instant Mobile Viewing on Blackberry™, iPhone™, Android™ or Windows Mobile™ 6.0 and 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

Microsoft Windows™ 7, XP™, Vista™ are trademarks of Microsoft Corporation. iPhone is a trademark of Apple Inc. Blackberry is a trade mark of Research In Motion Ltd. Android is a trademark of Google Inc.

## Installation
- Install with ease using the all-in-one weatherproof extension cables providing video, audio & power to the cameras (eliminates the need for individual power adapters for each of the first 4 DIN connected cameras)
- Review the installation steps with installation video tutorial included on your system and available online
- Mount the system on a wall using a VESA [100x100mm] standard mount (not included) or simply place the system on a desk or a shelf. The all-in-one security DVR with integrated LCD monitor is a space saver and provides a neat solution for cable management
- Save energy with a programmable screen saver that will turn the display off but will continue recording. Ideal for non-working times when there is no need to draw attention to the monitor
- Expand your system to meet your future needs with additional cameras or accessories available at www.lorextechnology.com

## Cameras (4 x SG7560)
- High resolution image sensor produces sharp and clear video with 480 TV Lines.
- 18 High Intensity IR LEDs provide effective night vision range up to 55ft (17m)*
- IR cut filter provides accurate color reproduction in all lighting conditions.
- Day/Night mode: Picture automatically switches to black and white delivering better clarity in low light conditions.
- Weatherproof cameras and cables ideal for indoor and outdoor applications (IP66)**
- All-in-one camera cable [audio, video, and power] plugs directly to Lorex systems with DIN ports and eliminates the need for a separate power adapter.
- Built-in microphone provides one-way audio from the camera to the system.
- Universal connections supporting 6 pin DIN and industry standard BNC [included with SG7560B only].
- Ceiling, counter or wall mountable camera with 3D versatile stand provides flexible mounting options.

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

## Cameras (4 x SG7530R)
- 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

## Disclaimers
*** Night vision range up to 50 ft. [15 m] in ideal conditions. Objects at or beyond this range may be partially or completely obscured, depending on the camera application.
**** Not recommended for submersion in water.

## L23WD Series
INTEGRATED SURVEILLANCE SYSTEM

www.lorextechnology.com
System Specifications:

**System**
- Operating System: Linux (embedded)
- Operation: Pentaplex: Simultaneous View, Record, Playback, Back Up & Remote Configuration
- Number of Channels: 8 or 16 Channel
- Monitor: 23” Built-in LCD Screen (16:9), WSXGA+(1920x1080)

**Inputs/Outputs**
- Video IN: 8/16 CH (BNC), 4 DIN
- Spot Out: 1 Composite (BNC)
- Monitor Out: 1 Composite (BNC)
- DVI: DVI input, VGA compatible
- Component: RCA(Y-Pb-Pr), Audio L/R
- Audio IN: 4 Line in(RCA)
- Audio Out: 1 line out(RCA)
- USB Port: 2 front
- Alarm In: 8/16
- Alarm Out: 1
- PTZ control: RS-485. Supported most of PTZ protocol, Preset up to 255
- Keyboard Control: RS-485

**Display**
- Live Display: 1, 4, 6, 8 (8ch) / 1, 4, 6, 8, 9, 16 (16ch)
- Live Display Speed: 240/230 fps (8 ch) NTSC/PAL, 480/400 fps (16 ch) NTSC/PAL
- OSD: ON/OFF
- Border Color: Selectable
- Motion Area Setting: Adjustable grid (16 x 16), 10 steps sensitivity level
- System Control: USB Mouse, Front Panel Buttons, Handheld Remote Control, Virtual Keyboard Control, Quick Setup
- Firmware Upgrade: Via USB device
- Configuration Export & Import: Setting Configuration copy & paste to other DVR via USB
- User Authority: Assignable privileges (admin, manager, user)
- One/Two way Audio: TWO-way Audio conference (via network)
- Time Synchronization: Auto time sync by NTP server

**Recording**
- Video Compression: H.264
- Audio Compression: G.711
- Recording Speed: 120/100 (NTSC/PAL) @ 352x240
- Recording Resolution: D1: 704x480 / 704x576 (NTSC / PAL), 2CIF: 704x240 / 704x288 (NTSC / PAL), CIF: 352x240 / 352x288 (NTSC / PAL)
- Recording Resolution Setting: Programmable per camera
- Recording Quality Control: 5 levels (low/standard/high/highest/super)
- Image Size: CIF: (352x240, 352x288) – 2KB–3KB, 2CIF: (704x480, 704x576) – 4KB–9KB, 4CIF: (704x480, 704x576) – 5KB–15KB
- Recording Schedule: By hour, day, recording mode, alarm, Ch
- Pre Recording: Max. 5 seconds
- Post Recording: Max. 180 seconds
- Panic Recording: Overrides recording settings to provide the best quality recording
- S.M.A.R.T Alarm: HDD Health Check
- Reliability: Watch-Dog, Auto-recovery after power failure
- Covert Video: Yes

**Playback**
- Playback Channel: Multi channel playback
- Instant Playback: Instant playback mode for quick review of log events
- Playback Display: 1,4,8 (8ch) / 1,4,16 (16ch)
- Playback Speed: Variable playback (Max. 64x)
- Playback Players: Backup and Windows Media Player
- Search: By time, event or panorama [multi-hour]
- Log Search: Up to 100,000 for user login/out, configuration changes, remote access, connects/disconnects

**Storage & Archive**
- Storage: Up to 1 HDD's (SATA) 3.5"
- Max Capacity: Up to 2TB
- Backup: Via USB or Network (FTP, Flash, HDD)
- Backup file format: AVI (Codec included)
- Bookmark Archiving: Supported with archive reserve
- Watermark: Watermarked video & audio for security

**Connectivity**
- Supported Operating Systems: Windows XP, Vista, 7 and Apple Mac (via Safari browser)
- Browsers: I.E., Mozilla Firefox, Safari
- Email notification: Text with web link
- Mobile connectivity: Blackberry™, iPhone™, iPod Touch™, Windows Mobile™ 6.0 and above smart phones (via Opera browser), Android™
- DDNS: Free Lorex DDNS
- System Configuration: Full setup configuration over network
- Bandwidth limit: Limitable network bandwidth by user
- Web Server Port: Programmable by User
- Network Protocol: LAN, DHCP, Dynamic IP, DDNS
- Network Interface: 10/100-Base-TX, RJ-45
- Network Speed Control: 8 levels (56Kb ~ 8MB/sec.

**General**
- Power Consumption: Approx. 65 watts
- Supply Voltage: DC12V Adaptor, 6.67A, 100~220VAC, 50~60Hz
- Unit Dimensions (WxDxH): 568.2 x 471.1 x 188mm / 22.4 x 18.6 x 7.4” (w/ stand) 568.2 x 377.5 x 67.4mm / 22.4 x 14.5 x 2.7” (w/o stand)
- Unit Weight: 8.98 kg/19.8 lbs
- Operating temperature: 41°~104° F / 5° ~ 40° C
- Humidity: 20 ~ 80% NC
- Software: Web Browser

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Camera Specifications:

4 x SG7560

Image Sensor: High Resolution 1/4" Color Image Sensor
Video Format: NTSC
Effective Pixels: H: 656, V: 492
Resolution: 480 TV Line
Scan System: 2:1 Interlace
Sync System: Internal
S/N Ratio: More than 48dB
Iris: AES
AES Shutter Speed: 1/60~1/50,000 Sec
Mini Illumination: 3.0 Lux without IR LED, 0 Lux with IR LED
Video Format: 1.0Vpp @ 75 ohms
Lens/Lens Mount: 3.6mm F1.8/ Fixed
FOV (Diagonal): 73 degrees
Termination: 6 pin DIN
IR LED/ Night Vision Range: 18 pieces / 850 nm / 50 ft / 15 m
Power Requirement: DC 12V
Power Consumption: Max 280 mA (w/ IR), Max 90mA (w/o IR)
Operating Temp Range: -10° ~ 50° C (14° ~ 122°F)
Environmental Rating: IP 66

4 x SG7530R

Image Device: 1/4" Color Image Sensor
Effective Pixels: H: 656, V: 492
Scan System: 2:1 Interlace, NTSC; 525 lines
Resolution: 480 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: 18 pieces / 850 nm / 50 ft / 15 m
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

8 Channel Back Panel:

Dimensions:

Product Information:

Model#: L23WD808501: 8 channels, 8 cameras & 500GB HDD, English Giftbox
UPC Code: 7-78597-23008-6

Package Dimensions:

Weight: L23WD808501: 20.77 lbs / 45.81 lbs
Cube: L23WD808501: 0.1144m^3 / 4.04 ft^3
Includes: L23WD808501: 23" LCD/DVR, Hard Drive pre-installed, 8 x Cameras & stands, 8 x 60ft extension cables, Power Supply, Remote Control, Mouse, Ethernet cable, Quick Start Guide, CD

Camera Mounting Options

WALL MOUNT
CEILING MOUNT
COUNTER MOUNT

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