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

Connect from anywhere in the world, on any device†

CONNECT PROTECT

• All-In-One 23” Monitor & Recorder
• 4 Cameras included, expandable to 8
• Easy Internet Set-Up Wizard

• Instant Mobile Viewing
• Multi-Function Monitor (PC, Entertainment)

L23WD Series
INTEGRATED SURVEILLANCE SYSTEM
See and record up to 8 security cameras (4 cameras included).

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 mode: computer monitor (DVI input) and entertainment display (component input).

Capture crisp images with high-resolution cameras (480TV Lines of resolution).

Multi-task efficiently with Picture-in-Picture (PIP) allowing you to keep track of multiple things simultaneously.

View remotely on an Apple Mac computer using the Safari web browser for selectable single channel live viewing.

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 periods on the same screen).

Backup critical images to any USB media device on a scheduled basis, or to a network location (FTP). Bookmark and group multiple events for convenient and quick archiving.

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 providing 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.

8 Channel Back Panel:

Dimensions:

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Camera 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 periods on the same screen).
- Backup critical images to any USB media device on a scheduled basis, or to a network location (FTP). Bookmark and group multiple events for 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/entainment display/PVM.

Cameras

- Capture crisp images with high-resolution cameras (480TV Lines of resolution).
- Hear and record up to 4 channels of audio with the included audio capable cameras.
- See in the dark up to 55ft (17m) with built-in night vision technology. The cameras feature Infrared Cut Filters providing accurate color reproduction in all lighting conditions.
- Place the weatherproof cameras indoors or outdoors.
- Flexible 3D mounting stand allows you to position and aim the cameras in any direction (ceiling, wall or counter mountable).

Product Information:

Model#: L23WD845: 8 channels, 4 cameras & 500GB HDD, English giftbox

UPC Code: 7-78597-23001-7

L23WD845F: 8 channels, 4 cameras & 500GB HDD, Trilingual giftbox

UPC Code: 7-78597-23002-4

Package Dimensions: L23WD845/L23WD845F: 691 x 348 x 572mm/27.2 x 13.7 x 22.5" [W x D x H]

Weight: L23WD845/L23WD845F: 17.25 kgs / 38.03 lbs

Cube: L23WD845/L23WD845F: 0.1375m / 4.86ft

Includes: L23WD845/L23WD845F: 23” LCD/DVR, Hard Drive pre-installed, 4 x Cameras & 500GB HDD, 4 x 60ft extension cables, Power Supply, Remote Control, Mouse, Ethernet cable, Quick Start Guide, CD

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. IR illumination range - under ideal conditions. Objects at or beyond this range may be partially or completely obscured, depending on the camera application.
5. Always use discretion when installing video and/or audio surveillance equipment especially when there is perceived privacy.
6. Requires a high speed internet connection and UPNP (Universal Plug & Play) router - not included.
7. 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.
8. View remotely on an Apple Mac computer using the Safari web browser for selectable single channel live viewing.
9. Multi-task efficiently with Picture-in-Picture (PIP) allowing you to keep an eye on the cameras while in a different mode: computer monitor (DVI input) and entertainment display (component input).

www.lorextechnology.com
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
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)
2 CIF: 352x240 / 352x288 (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: (704x240, 704x288) - 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
Easy Connect: 1. Yoics Enabled (registration required)
2. Built-in Auto Port Forwarding (UPnP router required)
3. Lorex Auto Port Forward Wizard
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
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 188mm / 22.4 x 14.5 x 7.4” (w/o stand)
Unit Weight: 8.9 kg/19.8 lbs
Operating temperature: 41 ~ 104°F / 5° ~ 40°C
Humidity: 20 ~ 80% NC
Software: Web Browser