



# ALL-IN-ONE PROFESSIONAL DIGITAL 20" WIDE SCREEN LCD MONITOR WITH BUILT-IN DIGITAL VIDEO RECORDER

## FEATURES

- High Resolution 20" Wide LCD Monitor provides Superior Image Quality in Live View and Playback
- Built-in Pentaplex Digital Video Recorder, 8 Camera-Capable, with Advanced Real Time Recording (240FPS)
- Internet Remote Monitoring\* (Software included), Web Browser access and E-mail alerts
- (4) High Resolution Weather Proof \*\* Cameras included with up to 50ft(15m) Night Vision range\*\*\*
- Large Capacity Security Certified Hard Drive pre-installed expandable up to 750GB\*\*\*\*
- USB ports for back up and convenient transferring of critical data
- Mouse Driven Navigation (mouse included) and Graphical User Interface
- Installer Friendly - Easy Quick Start Guide and Toll Free Tech Support
- Multi function display - PC Monitor, Digital Picture Frame & Component Video with picture in picture function while DVR records in the background



***The L20WD800 Series Wide Screen Integrated LCD Surveillance System offers both brawn and beauty!***

For most people, protecting the architecture and interior design of a "high-end" home or office has meant hiding unattractive security equipment out of sight. No longer. The L20WD800 is the first surveillance system actually designed to be seen by customers and guests - while also providing the highest level of surveillance protection available in a packaged retail kit. The L20WD800 is easy to install (including a video installation guide), and is easy to operate with mouse navigation and graphic user interface. The large LCD screen is also designed to serve as a switchable computer monitor, entertainment display (DVD, TV) or digital picture frame with picture-in-picture functionality, whenever it is not being used to view live surveillance cameras, while still recording in the background!



**L20WD800 Series**

**IP SURVEILLANCE**

### Monitor/Interface:

- 20.1" Wide screen LCD with user selectable aspect ratio (Wide 16:9, Standard 4:3)
- Professional Grade High Resolution (1680x1050) Glossy LCD panel
- VGA Input - use your LCD Display as a PC monitor
- USB picture frame feature - display digital pictures from a USB flash drive
- Entertainment Component Video input (YPbPr)
- Spot Video Out supports a connection to another monitor to display video in a different location (e.g. Public View Monitor)
- Multiple control options; front panel buttons, remote control, mouse, remote software
- Tri-lingual On Screen Display (English, Spanish, French)
- Video Tutorial for camera installation and system set up
- Screen saver for energy efficiency
- Wall mountable (VESA standard)
- Stand with cable management solution
- Environmentally friendly, recyclable packaging material

### Digital Video Recorder:

- 8 Channels with Pentaplex operation - View, Record, Playback, Back Up & Remotely Control the system simultaneously
- MPEG4 Digital Video Compression - small file sizes without compromising video quality
- Recording Frames Per Second (FPS): 240/200 (NTSC/PAL) @ 352X240
- Recording Resolution: 704x480, 704x240, 352x240(NTSC), 704x576, 704x288, 352x288(PAL)
- Custom recording for each camera
- Covert Camera - record without displaying camera image
- Continuous Recording with Motion Event logging for easy event searching
- Selectable 4 channel audio recording
- Programmable motion detection
- Pre-Event Recording of a preset amount of time before motion triggers the recording to see activities leading up to an event
- Hard Drive with SATA interface, 100% duty cycle for optimal performance in the commercial video security market. Expandable up to 750GB\*\*\*\*
- S.M.A.R.T HDD Support (Self-Monitoring Analysis and Reporting Technology): Auto Detection / Recovery to ensure the HDD is functioning properly at all times
- Supports external USB: Hard Drive, Optical Drive (DVDRW, CDRW) and Flash Drive

- Scheduled back up to an external USB storage and Network Storage Using FTP
- Watermarking of video files to encrypt the data
- 8 Programmable Alarm Inputs, 1 Relay Alarm output
- Pan/Tilt/Zoom Camera Control: RS-485 interface
- Network Protocol: TCP/IP, DDNS and Web
- PIP (Picture In Picture) functionally in VGA/Component and Picture Frame mode while still recording in the background
- Reverse PIP (Picture-In-Picture) of Component Video or PC while in DVR mode

### Cameras:

- Advanced Image Sensor provides high resolution image quality (480TV Lines)
- Night Vision - 24 High Intensity IR LEDs provide up to 50ft(15m) range\*\*\*
- Weather proof (IP66)\*\* Ideal for Indoor and Outdoor applications
- Built in Microphone provides one way audio from Camera to Monitor
- Easy Connect Cameras: camera extension cable plugs directly to the monitor without needing a separate power adaptor (for the first 4 cameras)
- 100ft DIN cable with each included camera

### Software:

- Remote monitoring software supporting multiple sites with full remote control over the Internet or Local Area Network (LAN)
- Internet Remote Functions\*: Live View, Live Recording, Search, Set-up, Back-up
- Firmware Upgrade over network
- Email alerts with a web browser link
- Microsoft Windows Vista™ Compatible Software (included)



\* Requires a high speed internet connection and router - not included

\*\* Not intended for submersion in water

\*\*\* 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.

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



# SPECIFICATIONS:

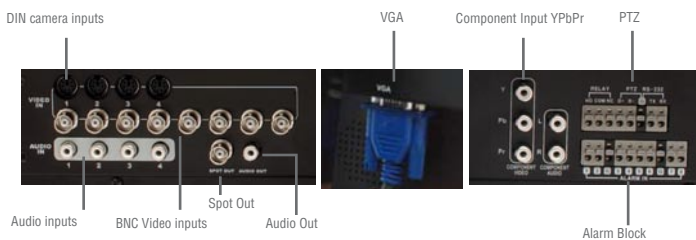
## Monitor:

<b>LCD:</b>	20.1" Wide Screen
<b>LCD Resolution:</b>	1680x1050
<b>Monitor display:</b>	Real time 240FPS (NTSC), 200 FPS (PAL)
<b>Image size:</b>	3-5 Kbyte (352x240, 352x288) (NTSC, PAL) 5-10 Kbyte (704x240, 704x288) (NTSC, PAL) 6-16 Kbyte (704x480, 704x576) (NTSC, PAL)
<b>Video inputs:</b>	4 x DIN, 8 x BNC
<b>Video outputs:</b>	Programmable Spot Out (BNC)
<b>Audio inputs:</b>	4 x line-in, RCA sockets
<b>Audio output:</b>	1 x line-out, RCA socket
<b>VGA input:</b>	included
<b>Component input:</b>	YPbPr
<b>Supply Voltage:</b>	100VAC-240VAC, 12VDC, 6.67A, 60/50Hz
<b>Power consumption:</b>	Approx. 65W
<b>Temperature range:</b>	-5° ~ 50° C / 23° ~ 122° F
<b>Weight:</b>	8.7 kg / 19.3 lbs
<b>Dimensions:</b>	21" X 14.4" X 2.7" / 532mm X 365mm X 67mm (without stand) 21" X 17" X 7.4" / 532mm X 433mm X 188mm (with stand)

## DVR:

<b>Hard disk capacity:</b>	SATA Interface (Max 750 GB), 100% duty cycle,
<b>Secondary Storage:</b>	USB Default (USB memory stick, USB HDD), USB Optical Drive (CDRW, DVDRW)
<b>Back-up file formats:</b>	AVI, JPG, BMP
<b>Compression:</b>	MPEG4
<b>Recording speed:</b>	240/200 (NTSC/PAL) @ 352x240 120/100 (NTSC/PAL) @ 704x240 60/50 (NTSC/PAL) @ 704x480
<b>Record Scheduling:</b>	Hourly, Daily, Weekly adjustable per channel
<b>Pre/Post alarm recording:</b>	5 seconds (Pre); 3 minutes (Post), programmable per camera
<b>Event/Log search:</b>	Up to 100,000 for user login/out, configuration changes, remote access, connects/disconnects
<b>Playback:</b>	Single, Quad or 8CH Simultaneous
<b>Alarm inputs:</b>	8 x TTL, programmable as NC/NO
<b>Alarm outputs:</b>	1 x Relay with NO/NC contact; 30VDC/1A, 125VAC/0.5A resistive
<b>Activity detection:</b>	16x16 grid, Sensitivity levels: 10
<b>PTZ Control:</b>	RS-485 interface
<b>Remote Functions:</b>	Live View, Live Recording, Search, Set-up, Back-up
<b>Network Speed Control:</b>	8 levels (56Kb ~ 8MB)/sec.
<b>Network Protocol:</b>	TCP/IP, DDNS and Web
<b>Network Interface:</b>	10/100-Base-TX, RJ-45

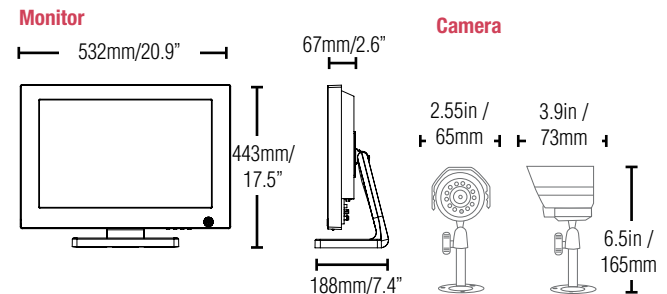
## BACK JACK PANEL:



## Camera: SG7555

<b>Image Sensor:</b>	High Resolution 1/4" Color Image Sensor
<b>Video Format:</b>	NTSC
<b>Effective Pixels:</b>	H: 656, V: 492
<b>Resolution:</b>	480 TV Line
<b>Scan System:</b>	2:1 Interlace
<b>Sync System:</b>	Internal
<b>S/N Ratio:</b>	More than 48dB
<b>Iris:</b>	AES
<b>AES Shutter Speed:</b>	1/60~1/50,000 Sec
<b>Mini Illumination:</b>	3.0 Lux without IR LED, 0 Lux with IR LED
<b>Video Output:</b>	1.0Vpp @ 75 ohm
<b>Lens/ Lens Mount:</b>	3,6mm F 1.7/ Fixed
<b>FOV (Diagonal):</b>	70 degree
<b>Termination:</b>	6 pin DIN
<b>IR LED/ Night Vision Range:</b>	24 pieces / 850 nm / 50ft/15m
<b>Power Requirement:</b>	12Vdc
<b>Power Consumption:</b>	330 mA
<b>Operating Temp Range:</b>	-10° ~ 50° C
<b>Dimension:</b>	2.55" / 65mm X 2.9"/73mm X 6.5"/165mm (W X D X H)
<b>Environmental Rating:</b>	IP 66

## DIMENSIONS:



## PRODUCT INFORMATION:

<b>Model#:</b>	L20WD804321 (UPC: 7-78597-28432 4)
<b>Weight:</b>	18.4 kg / 40.56 lb
<b>Package Dimensions:</b>	650mm/25.59" x 565mm/22.24" x 365mm/14.37" (W x H x D)
<b>Includes:</b>	20" LCD DVR, 320GB HDD Pre-Installed, Remote Control, Power Supply, 4 Cameras & stands, 100 ft. camera extension cables (4), 10 ft. Ethernet cable, Software application CD, Mouse

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