

NETWORK



SURVEILLANCE

# PROFESSIONAL 19" LCD OBSERVATION SYSTEM WITH BUILT-IN 8 CHANNEL DIGITAL VIDEO RECORDER AND 4 NIGHT VISION CCD CAMERAS

## FEATURES

### Monitor/Interface:

- **Thin design 19" LCD surveillance display** features ultra-fast refresh rate and wide viewing angle
- **Spot Video Out:** Allows the user to connect another monitor to the system and display the video in another location (i.e. front door)
- **Multiple control options:** Includes front panel manual control and IR Handheld Remote Control (included).
- **GUI Interface:** Graphical User Interface simplifies programming and setup
- **Network interface** provides Remote Viewing and Recording without the requirement for a dedicated PC\*

### Digital Video Recorder:

- **'True' 8 Camera digital video system** with Triplex operation allows you to View, Playback and Record video simultaneously
- **Independent Channel Control:** Customize the recording parameters to the surveillance application for each camera on the system
- **Covert Camera function:** The camera will not be viewable on the monitor, but video images will still be recorded
- **Pre-Event Recording:** The system will automatically record a preset amount of time before motion triggers the recording (this feature allows the user to see activities leading up to the event)
- **MPEG4 Compression:** Small File sizes without comprising video quality
- **160 GB High Reliability Surveillance Hard Disk Drive:** Hard Drive is specifically designed for optimal performance in the commercial video security market.
- **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 while protecting video stored on the Hard Drive.

### Cameras:

- **(4) Cameras Included:** Professional Grade Weather Resistant\*\* Color Day/Night\*\*\* IR Cameras
- **Plug and Play Cameras:** All-in-one camera cable plugs directly to the monitor without needing a separate power adapter
- **Universal Camera Inputs:** Up to 8 cameras can be connected to system. 6 Pin DIN camera inputs compatible with any Lorex™ Pro-Series cameras



**The SG19LD804 offers a whole new level of security surveillance to the consumer market.**

Combining the latest word in LCD displays, Digital Video Recording and CCTV Camera design, the system does more than simply provide the sharpest video imaging (under any condition), large capacity video

storage and unparalleled ease of system control – it's also made to provide the longest trouble free service with an array of built-in diagnostics and commercial grade CCTV component design.

SG19LD804-161

IP SURVEILLANCE

# SPECIFICATIONS:

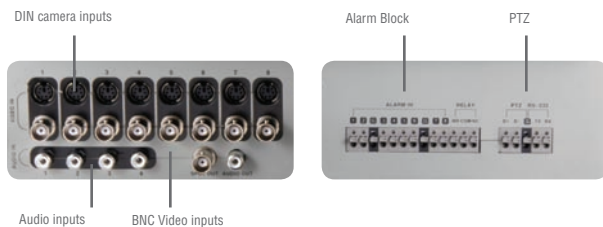
## Monitor:

LCD:	19"
Resolution:	704x480, 704x240, 352x240(NTSC), 704x576, 704x288, 352x288(PAL)
Monitor display:	Real time 30Fps(NTSC), 25 Fps (PAL) per camera
Image size:	3-5 Kbyte (352x240, 352x288), 5-10 Kbyte (704x240, 704x288) 6-16 Kbyte (704x480, 704x576)
Video inputs:	8 x 1Vp-p, CVBS, 75ohms, BNC, DIN
Audio inputs:	4 x line-in, RCA sockets
Audio output:	1 x line-out, RCA socket
Supply voltage:	100VAC-240VAC, 12VDC , 5A, 60/50Hz
Power consumption:	Approx. 60watts
Temperature range:	-5° ~ 50° C / 23° ~ 122° F
Weight:	8.7 kg / 19.3 lbs
Dimensions:	18.5" x 15.5" x 2.75" / 460mm x 395mm x 70mm (Excluding Stand)

## DVR:

Hard disk capacity:	160 GB Surveillance HDD (Max 500GB), 100% duty cycle, 8 MB expanded cache
Secondary Storage:	USB Default (USB memory stick, USB HDD)
Back-up file formats:	AVI, JPG, BMP
Compression:	MPEG4
Recording speed:	352x240 : 120/100 (NTSC/PAL) , 704x240 : 60/50 (NTSC/PAL) 704x480 : 30/25 (NTSC/PAL)
Record Scheduling:	Daily, Weekly adjust specific Hr per channel
Pre/Post alarm recording:	5 seconds (Pre); 3 minutes (Post), programmable per camera
Event/Log search:	Up to 100,000 for user login/out, configuration changes, remote access, connects/disconnects
Playback:	Single, Quad or 8CH Simultaneous
Alarm inputs:	8 x TTL, programmable as NC/NO
Alarm outputs:	1 x Relay with NO/NC contact; 30VDC/1A, 125VAC/0.5A resistive
Activity detection:	16x16 grid, Sensitivity levels: 10
PTZ Control:	RS-485 interface
Remote Functions:	Live View, Live Recording, Search, Set-up, Back-up
Network Speed Control:	8 levels (56Kb ~ 8MB)/sec.
Network Protocol:	TCP/IP, DDNS and Web
Network Interface:	10/100-Base-TX, RJ-45

## BACK JACK PANEL:



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

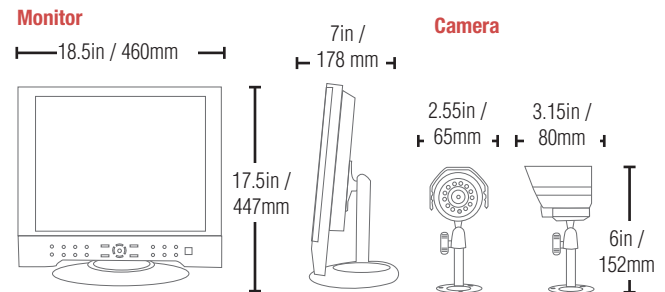
\*\* Not for use in direct exposure to water, rain or snow

\*\*\* IR illumination range up to 30 ft (10M) under ideal conditions. Objects at or beyond this range may be partially or completely obscured, depending on the camera application.

## Camera:

Image Sensor:	1/4" Color CCD Image Sensor
Video Format:	NTSC / PAL
Effective Pixels:	NTSC: 512H x 492V(252K) PAL: 512H x 582V(298K)
Resolution:	420 TV Line
Scan System:	NTSC: 525 Lines 2:1 interlace PAL: 625 Lines 2:1 interlace
Sync System:	Internal
S/N Ratio:	More than 48dB
Iris:	AES
AES Shutter Speed:	NTSC: 1/60 ~ 1/100,000 Sec. PAL: 1/50 ~ 1/100,000 Sec.
Mini Illumination:	0.1 Lux without IR LED, 0 Lux with IR LED
Video Output:	Composite 1.0Vpp @ 75 ohm
Lens/ Lens Mount:	3.6mm Fixed
FOV (Diagonal):	70 degree
Termination:	6 pin DIN
IR LED/ Night Vision Range:	12 IR LED 850nm/ 10m
Power Requirement:	12 Vdc +/- 10% (powered by the monitor)
Power Consumption:	160 mA
Operating Temp Range:	-10° ~ 50° C / 14° ~ 122° F
Dimension:	2.55" / 65mm X 3.15"/80mm X 6"/152mm (W X D X H)
Unit Weight:	400 g
Environmental Rating:	IP 64

## DIMENSIONS:



## PRODUCT INFORMATION:

Model#:	NTSC: SG19LD804-161 (UPC: 7-78597-19841-6)
	PAL: SG19LD804P-161 (UPC: 7-78597-19842-3)
Cube:	0.11m / 4.16ft
Weight:	13 kg / 28.66 lb
Package Dimensions:	23.76" X 13.16" X 23" / 603mm X 334mm X 584mm (W x H x D)
Includes:	19" LCD Monitor, Remote Control, Power Supply, 4 Cameras & stands, 100 ft. camera extension cables (4), 10 ft. Ethernet cable, Software application CD

## Lorex Technology Inc.

300 Alden Road, Markham,  
Ontario L3R 4C1  
Canada.

3700 Koppers Street, Suite 504  
Baltimore, Maryland 21227,  
USA.

©2007 Lorex Technology Inc.

As our product is subject to continuous improvement, Lorex Technology & subsidiaries reserve the right to modify product design, specifications & prices without notice and without incurring any obligation. E&OE