

# SmartSight S1700e

## DVD QUALITY ETHERNET VIDEO SERVER



Supports IEEE 802.3af  
Power-over-Ethernet (PoE) Standard

### PRODUCT OVERVIEW

SmartSight® S1700e Ethernet video server is designed for high-resolution video monitoring and surveillance applications. The S1700e delivers 4CIF, 30 frames per second (fps), MPEG-4-based video over 10/100Base-T networks using cat 5, fiber optic, and wireless media. The S1700e is well suited for applications in which the server is installed at the camera location, because it leverages the embedded LAN infrastructure. The S1700e is built on open standards and is firmware upgradeable for long-term investment protection.

The S1700e video server is powered using IEEE 802.3af compliant Power-over-Ethernet. This feature reduces the number of cables that need to be run and sends power to the camera (up to 5W).

The S1700e provides secure Web access capabilities using Internet Explorer. Up to five simultaneous users can monitor a live video stream and configure various unit settings using the Web interface.

Configuration and management are made easy with nDVR®, Loronix Video Manager™, or SConfigurator™ software.

### KEY FEATURES

- ✓ Dual-stream, MPEG-4-based video input
- ✓ High resolution, 4CIF video streaming at 30 frames per second (fps)
- ✓ Scalable resolution from 176 x 128 pixels to 704 x 480 NTSC pixels (176 x 144 to 704 x 576 PAL pixels)
- ✓ Power-over-Ethernet (IEEE 802.3af standard) support, simplifying installation by reducing the number of cable runs
- ✓ All firmware upgradeable via the network (including the video codec)
- ✓ User selection of RTP/IP, UDP/IP, TCP/IP, or multicast streaming
- ✓ SSL-based user authentication
- ✓ RS-232 serial port for integration to access control systems
- ✓ RS-422/485 serial port to support motorized domes and cameras
- ✓ 3 discrete alarm inputs and 1 relay output
- ✓ Video loss alarm
- ✓ Optional bidirectional audio interface supporting microphone or line-level input, and headphone or line-level output
- ✓ Web access support (configuration and viewing)

DIGITAL.  
DISTRIBUTED.  
NETWORKED.



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### NETWORK

Interface	Ethernet 10/100Base-T
Connector	RJ-45 jack
Protocols	Transport: RTP/IP, UDP/IP, TCP/IP, or multicast IP Others: DNS and DHCP client
Security	SSL-based authentication

### VIDEO

Input	1 composite, 1 Vpp into 75 ohms (NTSC/PAL)
Connectors	BNC female
Compression	MPEG-4-based
Resolution	Scalable from 176 x 128 to 704 x 480 NTSC pixels (176 x 144 to 704 x 576 PAL pixels)
Frame rate	1-30 fps programmable (full motion)
Bandwidth	Configurable between 30 kbps and 4 Mbps

### SERIAL PORT

Electrical levels	Port 1: RS-232 (max. 230 kbps) Port 2: RS-422/485 2/4 wires (max. 230 kbps)
Connectors	Port 1: DB-9 Port 2: pluggable screw-terminal strip
Operating mode	Transparent serial port supporting any asynchronous serial protocol

### ALARM AND AUDIO

Alarm	Input: 3 dry contact inputs Output: 1 relay contact output (48V AC/DC at 100 mA max.)
Bidirectional audio (optional)	Input: -46 to -3 dBV into 1 kOhm Output: -46 to -3 dBV into 16 ohms min.
Audio connectors	0.14 in. (3.5 mm) input and output stereo jacks

### POWER

Supply voltage (optional)	48V DC PoE (125 mA); PoE 802.3af 12V DC +/- 10% (7.5W, 625 mA)
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### PHYSICAL

Enclosure	Metal case with flange mount (black color)
Size	4.5L x 5.6W x 1.25H in. (115L x 142W x 32H mm)
Weight	0.84 lbs (0.38 kg)
Environmental	32°F to 122°F (0°C to 50°C)
Humidity	95% non condensing at 122°F (50°C)

### MANAGEMENT

Configuration	Remote: via nDVR, Loronix Video Manager, Internet Explorer 6.0, SConfigurator, or Telnet Local: via the serial port using any ASCII terminal
Firmware upgrade	Flash memory for upgrade of video codec and application firmware over the network

### CERTIFICATION AND REGULATION

USA	FCC part 15 (subpart B, class A)
Canada	ICES-003/NMB-003
Europe	CE marked, EN 55022:1998 class A, EN 55024

### WARRANTY

3-year limited warranty, covering parts and labor

### ORDERING

Part number	S1700e-T
Description	High resolution Ethernet video server encoder with Power-over-Ethernet (PoE) support
Part number	S1700e-T-12VDC
Description	High resolution Ethernet video server encoder with 12V DC
Part number	S1700e-T-A
Description	High resolution Ethernet video server encoder with audio and Power-over-Ethernet (PoE) support
Part number	S1700e-T-A-VDC
Description	High resolution Ethernet video server encoder with audio and 12V DC
Part number	S1700e-T-XT
Description	High resolution Ethernet video server encoder with extended temperature range of -22°F to 144°F (-30°C to 60°C) and Power-over-Ethernet (PoE) support
Part number	S1700e-T-XT-12VDC
Description	High resolution Ethernet video server encoder with extended temperature range of -22°F to 144°F (-30°C to 60°C) and 12V DC
Part number	S1700e-T-A-XT
Description	High resolution Ethernet video server encoder with extended temperature range of -22°F to 144°F (-30°C to 60°C), audio, and Power-over-Ethernet (PoE) support
Part number	S1700e-T-A-XT-12VDC
Description	High resolution Ethernet video server encoder with extended temperature range of -22°F to 144°F (-30°C to 60°C), audio, and 12V DC
<b>OPTIONAL ACCESSORY</b>	
Part number	SRM10
Description	Standard black anodized 19-inch (48-cm) rackmount panel (for 10 modules)

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