SmartSight S1508e
8-INPUT ETHERNET VIDEO SERVERS

PRODUCT OVERVIEW

SmartSight® S1508e video server provides a cost-effective solution for applications in which a high concentration of cameras terminates within the same area.

The S1508e delivers high-quality, MPEG-4-based, low-bandwidth video over 10/100Base-T networks using cat 5, fiber optic, and wireless media. The S1508e can be extended over Local and Wide Area Networks (LANs and WANs) or the Internet using ISDN, PSTN, or xDSL routers.

The solution's compact design accommodates eight dual-stream video inputs within a 1U, 6" depth enclosure. Multiple units can be rack-mounted on one or both sides of a standard 19" cabinet.

The S1508e is available in two configurations: a video encoder (S1504e-T) with four analog video inputs at 30 frames per second (fps) each; a video encoder (S1508e-T) with eight analog video inputs at 15 fps each.

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

KEY FEATURES

- Compact footprint: eight input video streams in 1U enclosure

- Dual-stream, high-resolution MPEG-4-based video for each input

- Scalable resolution from 176 x 128 pixels to 704 x 480 NTSC pixels (176 x 144 to 704 x 576 PAL pixels)

- 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

- Eight discrete alarm inputs and two relay outputs

- Video loss alarm

- Optional bidirectional audio interface supporting microphone or line-level input, and headphone or line-level output

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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	S1508e-T: 8 composites, 1 Vpp into 75 ohms (NTSC/PAL) S1504e-T: 4 composites, 1 Vpp into 75 ohms (NTSC/PAL)
Connectors	BNC female connectors
Termination	Switchable 75-ohm video termination per input
Compression	MPEG-4-based
Resolution	Scalable from 176 x 120 to 704 x 480 NTSC pixels (176 x 144 to 704 x 576 PAL pixels)
Frame rate	S1508e: 8 at 1-15 fps programmable S1504e: 4 at 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: 8 dry contacts Output: 2 relay contacts (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	One set of 0.14 in. (3.5 mm) input and output stereo jacks

POWER

Supply voltage	12V DC +/- 10%
Consumption	31W (2.6A at 12V DC)

PHYSICAL

Enclosure	Metal case with flange mount (black color)
Size	17L x 6.1W x 1.7H in. (431.8L x 154.9W x 43.2H mm)
Weight	5.6 lbs (2.6 kg)
Environmental	32ºF to 122ºF (0ºC to 50ºC)
Humidity	95% non condensing at 122ºF (50ºC)

MANAGEMENT

Configuration **	Remote: via nDVR, Loronix Video Manager, 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

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

WARRANTY

	2-year limited warranty, covering parts and labor

ORDERING

Part number	S1508e-T
Description	High resolution Ethernet video server encoder with 8 inputs
Part number	S1508e-T-A
Description	High resolution Ethernet video server encoder with 8 inputs and audio
Part number	S1504e-T
Description	High resolution Ethernet video server encoder with 4 inputs
Part number	S1504e-T-A
Description	High resolution Ethernet video server encoder with 4 inputs and audio

OPTIONAL ACCESSORY

Part number	PDP10
Description	19-inch (48-cm) power distribution panel rack mount. Supports up to ten S1508e/S1504e encoders
Part number	PS1260
Description	110V AC to 12V DC power supply for a single unit
Part number	PS1280
Description	High capacity power supply for rack mount installations (to be used with PDP10)

** Product capabilities are enabled through software.

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