

# SmartSight S1708e

## High-Resolution 8-Input Ethernet Video Server



SmartSight® S1708e Ethernet video server is designed for high-resolution video monitoring and surveillance applications in which a high concentration of cameras terminates within the same area.

The S1708e delivers 4CIF, 30 frames per second (fps), MPEG-4-based video over 10/100Base-T networks using cat 5, fiber optic, and wireless media.

Compactly designed, the S1708e accommodates eight video inputs within a 1U, 6-inch (15-cm) depth enclosure. Multiple units can be rack-mounted on one or both sides of a standard 19-inch (48-cm) cabinet.

The S1708e is available in two configurations: an eight input video encoder with bidirectional audio (S1708e-T-A) and without audio (S1708e-T).

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

- ✓ Compact footprint: eight input video streams in 1U enclosure
- ✓ MPEG-4-based video input
- ✓ High-resolution, 4CIF video streaming at 30 fps for each input
- ✓ Scalable resolution from 352 x 240 to 704 x 480 NTSC pixels (352 x 288 to 704 x 576 PAL pixels)
- ✓ SSL-based user authentication
- ✓ RS-422/485 serial port to support motorized domes and cameras
- ✓ Eight discrete alarm inputs and two relay outputs
- ✓ Optional bidirectional audio interface for microphone or line-level input, and headphone or line-level output

SmartSight S1708e is a powerful solution for organizations that seek DVD-quality images with high frame rates and a lower cost per port.



#### 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	8 composites, 1 Vpp into 75 ohms (NTSC/PAL)
Connectors	BNC female connectors
Termination	75-ohm video termination per input
Compression	MPEG-4-based
Resolution	Scalable from 352 x 240 to 704 x 480 NTSC pixels (352 x 288 to 704 x 576 PAL pixels)
Frame rate	8 at 1-30 fps in NTSC (1-25 fps in PAL) programmable (full motion)
Bandwidth	Each stream is 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: 12 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	22W (1.8A 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 lb (2.6 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, 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

3-year limited warranty, covering parts and labor

#### ORDERING

Part number	S1708e-T
Description	High-resolution Ethernet video server encoder with 8 inputs
Part number	S1708e-T-A
Description	High-resolution Ethernet video server encoder with 8 inputs and audio

#### OPTIONAL ACCESSORIES

Part number	PDP10
Description	19-inch (48-cm) power distribution panel rack mount. Supports up to ten S1708e 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.

AIRLINX Communications, Inc.  
Box 253  
Greenville, NH 03048  
E-mail: sales@airlinx.com  
Tel: (888) 224-6814  
Fax: (603) 878-0530