Verint SmartSight S1708e
High-Resolution 8-Input Ethernet Video Server

The Verint 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. The S1708e can be extended over Local and Wide Area Networks (LANs and WANs) or the Internet using ISDN, PSTN, or xDSL routers.

The Verint solution's compact design 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: a video encoder (S1708e-T) with eight analog video inputs at 30 fps each and a video encoder (S1708e-T-A) with eight analog video inputs at 30 fps each with bidirectional audio.

Configuration and management are made easy with Verint 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 176 x 128 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
**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 176 x 128 to 704 x 480 NTSC pixels (176 x 144 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 with a combined max throughput of 6 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: -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**: 17.7 x 6.1 x 1.7 in. (431.8 x 154.9 x 43.2 mm)
- **Weight**: 5.6 lb (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**

- **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.*

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**Verint. Powering Actionable Intelligence.™**

Verint Systems (NASDAQ: VRNT) is a leading global provider of analytic software-based solutions for communications interception, networked video, and business intelligence. Verint solutions transform voice, video, and text into actionable intelligence — timely, mission-critical insights for achieving strategic goals.

Since 1994, Verint has been committed to developing innovative solutions that help our customers achieve their strategic objectives. Today, more than 1000 organizations in over 50 countries use Verint’s actionable intelligence solutions to enhance security, boost operational efficiency, and fuel profitability.

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