Cost-Effective Video Encoder for Up to 12 Cameras

Verint S1712e Feature Set
The Verint S1712e is a 12-port video encoder that combines low cost of ownership with a compact, efficient design. The Verint S1712e accommodates 12 video streams in a 1U, 6-inch (15-cm) deep enclosure. Ideal for large installations, the S1712e delivers dual stream, MPEG-4 SP or SM4 video up to 4CIF/15 frames per second or 2CIF/30 frames per second. Dual streaming enables video to be viewed at high resolution for excellent image clarity, but stored at lower resolution, optimizing use of storage resources.

The S1712e video server incorporates Verint’s industry-leading video encoding technology for superior imagery and optimal bandwidth utilization. A noise reduction filter further reduces bandwidth use, while enhancing image clarity. Automated camera tampering detection rapidly determines when cameras are out of focus, to help ensure that critical images are available and reduce the need to physically examine each camera on site. SSL-based authentication helps prevent unauthorized access. An RS-232 serial port is provided for integration with access control systems, and an RS-422/485 serial port supports motorized domes and cameras.

Energy Efficient, Longer Life, Lower Cost of Ownership
The Verint S1712e features an external power supply, virtually eliminating the need to replace functional encoders because of faulty internal power units. Verint S1712e power consumption is just 20W, so it uses far less power than competitive products. This makes the S1712e a highly efficient, energy-saving choice. And the S1712e can be managed using Verint Enterprise Video Management Software (VMS) or third-party video management software, enabling organizations to deploy the video management solutions that best address their budgets and objectives.

Easy to Install, Less Costly to Service
The Verint S1712e video server is built for easy installation and operation in virtually any type of video system. These rack-mountable encoders can be placed in an IT closet with other network equipment, plugged into the Ethernet network, and configured individually using Verint’s Windows-based SConfigurator software or in batches using Verint Enterprise VMS Control Center.

Key Benefits
- 12-port video encoder with dual-stream, MPEG-4 SP video up to 4CIF/15fps or 2CIF/30fps
- Compact 1U form factor
- External power supply and low power consumption for a highly efficient, energy-saving solution
- Automatic camera tampering detection
- Options include 1 bi-directional audio channel or 12 uni-directional audio ports
- Configure and manage using Verint VMS or other software management applications
## TECHNICAL SPECIFICATIONS

### VIDEO
- **Input**: 12 composites, 1 Vpp into 75 ohms NTSC/PAL
- **Dual Stream**: 4CIF/7.5fps and CIF/30fps programmable
- **Connector**: BNC female
- **Compression**: MPEG-4 SP, SM4
- **Resolution**: Scalable from 352x240 to 704x480 pixels NTSC and 352x288 to 704x576 pixels PAL
- **Frame Rate**: 12 x 1-30fps NTSC, 1-25fps PAL programmable (full motion)
- **Bandwidth**: Each stream configurable from 30Kbps to 6Mbps

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

### 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 female (DCE), Port 2: pluggable screw-terminal strip
- **Operating Mode**: Transparent serial port supporting any asynchronous serial protocol

### ALARM
- **Inputs/Output**: 12 inputs / 2 relay output

### AUDIO
- **Bi-Directional Audio (optional)**
  - Input: -46 to -3 dBV into 30 kohms (line or microphone)
  - Output: -46 to -3 dBV into 8 ohms min.
  - Connectors: One set of 1/8 in. (3.5 mm) input and output; Stereo jacks
- **Uni-Directional Audio (optional)**
  - Input: 12 ports; -46 to -3 dBV into 30 kohms (line or microphone)
  - Programmable bias: 0-9V DC; 16-bit resolution; 8, 16, or 24 KHz sampling rate
  - Connectors: 1 set of 1/8 in. (3.5 mm) input stereo jacks

### MANAGEMENT
- **Configuration**: Remote: Verint, SConfigurator; Local: via the serial port using any ASCII terminal
- **Firmware Upgrade**: Flash memory for upgrade of firmware over the network; remote batch upgrade available through Verint Enterprise VMS Control Center and SConfigurator

### POWER
- **Supply/Voltage**: 12V DC +/- 10% (20W)

### PHYSICAL
- **Enclosure**: Metal case with flange mount (black)
- **Dimensions**: 17L x 6.1W x 1.7H in. (431.8L x 154.9W x 43.2H mm)
- **Weight**: 5.3 lbs (2.4 kg)
- **Environmental**: 32°F to 122°F (0°C to 50°C)
- **Humidity**: 95% non-condensing at 122°F (50°C)

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**World-Class Service and Support**

At Verint, we are dedicated to the success of our partners and customers. To this end, we’ve developed world-class customer support programs and service offerings. Staffed by Verint experts in all facets of networked video deployment and use, Verint’s Customer Support Program features live technical support, web-based resources, advanced replacements and a host of on-site professional services.

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