

Verint S1816e-SR Video Encoder Featuring H.264 Technology

Verint® Video Intelligence Solutions™ S1816e-SR 16-port video encoder delivers the benefits of H.264 technology at a highly attractive price.

The S1816e-SR is ideal for banking, retail, and other video surveillance applications in which cost, storage, and bandwidth optimization are key. This streamlined video encoder couples good video quality—up to D1/15fps on every port—with the dramatically lower bitrate of H.264 video compression, reducing bandwidth and storage utilization up to 50% over MPEG-4. The S1816e-SR features on-board motion detection and camera tampering detection—a failover mechanism that ensures video is recorded if connection with management software is lost. Built for low cost of ownership and operation, the S1816e-SR combines the high reliability of Verint's third-generation multi-port encoders with IT-friendly features, flexible implementation and maintenance, and an environmentally friendly design.

Flexible, Affordable, and IT Friendly

Using the versatile, affordable Verint S1816e-SR, you can capture clear images from up to 16 cameras per encoder. The S1816e-SR supports H.264 and MPEG-4 on all 16 ports and can be configured for dual and triple streaming, so that video can be viewed and stored at different resolutions.

You can manage the S1816e-SR just as you would any other enterprise IT asset. SNMP facilitates integration with IT infrastructures, and an embedded Linux operating system provides superior security and reliability. And you can configure the S1816e-SR using Verint Enterprise VMS Control Center™, SConfigurator™ software, or a Web browser interface with live viewing of video on all 16 ports. The S1816e-SR is fully integrated with Verint Enterprise Video Management Software (VMS)—centralized device management, automated health monitoring, remote video viewing, and more.

Energy Efficient, with a Light Environmental Footprint

The compact, lightweight S1816e-SR has a 1U metal enclosure and comes available with an external power supply for reduced energy consumption. This enterprise-class encoder is also certified compliant with RoHS, UL, CE, and other widely accepted safety and environmental standards and directives.

Advanced Video Technology with Lowest TCO

Verint is at the forefront of networked video technology, with nearly two decades of experience delivering security intelligence solutions to government and industries worldwide. With the S1816e-SR, Verint provides banking, retail, and other organizations with a versatile edge device built on the latest video technologies, integrated with the industry's broadest video portfolio, and designed for lowest cost of ownership and operation.



Key Benefits

- 16-port video encoder with H.264 compression, delivering the benefits of advanced video technology
- Cost-effective solution ideal for organizations looking to transition from analog to IP-based platforms
- Ideal for multi-camera video surveillance applications that require good video quality, optimal bandwidth and storage utilization, and lower cost of ownership and operation
- Enables organizations to realize the benefits of IP video using their analog cameras
- Reliable and IT friendly, with SNMP, an embedded Linux operating system, and flexible configuration and maintenance
- Compatible with Verint VMS and EdgeVR IP-based network video recorder
- Energy efficient and environmentally friendly

TECHNICAL SPECIFICATIONS	
VIDEO	
• Input	16 composites, 1 Vpp into 75 ohms NTSC/PAL, BNC female
• Up to 3 Streams	2 x H.264 and 1 x MPEG-4 streams
• Performance	D1/15 fps (H.264), CIF/15fps (MPEG-4) on all channels simultaneously <or> 2CIF/15fps, 2CIF/15fps (H.264), CIF/15fps (MPEG-4) on all channels simultaneously
• Resolution	Scalable from CIF (352 x 240 pixels for NTSC; 352 x 288 pixels for PAL) to D1 format (720 x 480 pixels for NTSC; 720 x 576 pixels for PAL)
• Compression	H.264 Main Profile (MP) and MPEG-4 Simple Profile (SP)
• Bandwidth	Each stream configuration from 30Kbps to 6Mbps
• Video Latency	115msec
NETWORK	
• Interface	RJ-45, Ethernet 10/100 Base-T
• Protocols	Transport: RTP/IP, UDP/IP, TCP/IP, RSTP, or multicast IP Others: DNS, NTP, SNMP v1/v2c/v3 (MIB-II), HTTP, HTTPS, DHCP client, and 802.1x
• Security	SSL-based authentication, password protected, HTTPS
SERIAL PORTS	
• Electrical Levels	Port 1: RS-232 (max. 230Kbps) pluggable screw-terminal strip Port 2: RS-422/485 2/4 wires (max. 230Kbps) pluggable screw-terminal strip
• Operating Mode	Transparent serial port supporting any asynchronous serial protocol
ALARM	
• Inputs/Output	4 inputs / 1 relay output
MANAGEMENT	
• Configuration and Firmware Upgrade	Supported through Verint Enterprise VMS Control Center (single device and batch mode firmware upgrade), SConfigurator and Web browser interface (single device firmware upgrade)
POWER	
• Supply/Voltage	12V DC +/- 10%
• Power Consumption	Max. 23W
PHYSICAL	
• Enclosure	1U metal case with flange mount (black)
• Dimensions	17L x 6.6W x 1.7H in. (430L x 167.68W x 42.6H mm)
• Weight	4.0 lb (1.8Kg)
• Operating Temperature	32°F to 131°F (0°C to 55°C)
• Humidity	95% non-condensing at 131°F (55°C)
• Firmware	Embedded Linux-based operating system

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.

Verint. Powering Actionable Intelligence®

Verint® Systems Inc. (NASDAQ: VRNT) is a global leader in Actionable Intelligence® solutions for customer engagement optimization, security intelligence, and fraud, risk and compliance. Today, more than 10,000 organizations in over 180 countries use Verint solutions to improve enterprise performance and make the world a safer place. Learn more at www.verint.com.

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