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Nextiva

Nextiva S1816e-SP Video Encoder Featuring H.264 Technology

The Nextiva® S1816e-SP 16-port video encoder delivers the benefits of H.264 technology at a highly attractive price.

The S1816e-SP 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-SP features on-board motion detection, camera tampering detection and storage on the edge — 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-SP 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 Nextiva S1816e-SP, you can capture clear images from up to 16 cameras per encoder. The S1816e-SP 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-SP 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-SP using Nextiva Control Center, SConfigurator™ software, or a Web browser interface with live viewing of video on all 16 ports. The S1816e-SP is fully integrated with Nextiva Video Management software — centralized device management, automated health monitoring, remote video viewing, and more — and with the Nextiva EdgeVR® IP-based network video recorder.

Energy Efficient, with a Light Environmental Footprint

The compact, lightweight S1816e-SP 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 industry worldwide. With the S1816e-SP, 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.

At A Glance:

- **16-port video encoder with H.264 compression, delivering the benefits of advanced video technology at a significantly lower price**

- **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 Nextiva Video Management software and Nextiva EdgeVR IP-based network video recorder**

- **Energy efficient and environmentally friendly**

VERINT
VIDEO INTELLIGENCE SOLUTIONS™

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
• Compression	H.264 Main Profile (MP) and MPEG-4 Simple Profile (SP)
• 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)
• Bandwidth	Each stream configuration from 30Kbps to 6Mbps
• Maximum Latency	115msec
Network	
• Interface 1	RJ-45, Ethernet 10/100/1000 Base-T (for main connectivity)
• Interface 2	RJ-45, Ethernet 10/100/1000 Base-T (for maintenance)
• Protocols	
• Security	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
	SSL-based authentication, password protected, HTTPS
Serial and USB Ports	
• Electrical	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
• USB	1 USB host port (USB drive not included)
Alarm	
• Inputs	16 dry contacts
• Outputs	4 relay contacts (48V AC/DC at 500 mA max.)
Power	
• Input 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	32ºF to 131ºF (0ºC to 55ºC)
• Humidity	95% non-condensing at 131ºF (55ºC)
• Firmware	Embedded Linux-based operating system
Management	
• Configuration and Firmware Upgrade	Supported through Nextiva Control Center (single device and batch mode firmware upgrade), SConfigurator and Web browser interface (single device firmware upgrade)
Certification and Regulation	RoHS compliant
• USA	UL, FCC Part 15 (Subpart B, Class A)
• Canada	ICES03 class A
• Europe	CE marking (EN55022, EN55024)
Models	
• S1808e	8-Port video encoder featuring H.264 technology
• S1808e-A	8-Port video encoder featuring H.264 technology with 8 bi-directional audio ports
• S1816e	16-Port video encoder featuring H.264 technology
• S1816e-A	16-Port video encoder featuring H.264 technology with 16 bi-directional audio ports
• S1816e-SP	16-Port video encoder, streamlined version, featuring H.264 technology
Optional Accessories	
• PS1261	Power supply for S1800e series
• PS1281	19-inch rack mountable power supply for up to 10 S1800e series devices
• PS1282-10	19-inch rack mountable power supply for up to 10 S1800e series devices
• PS1282-20	19-inch rack mountable power supply for up to 20 S1800e series devices
• PDP10-2	19-inch 1U power distribution panel rack mount to connect up to 10 S1800e series devices
Warranty	3-year limited warranty covering parts and labor (for the Americas). Contact your Verint representative for warranty details for other regions.

About Verint Video Intelligence Solutions

Verint® Video Intelligence Solutions™ is a worldwide leader in networked video, a "single source" for virtually every facet of video surveillance operations: from cameras, encoders, and intelligent DVRs to video management, viewing, and analytics software.

Verint. Powering Actionable Intelligence.®

Verint® Systems Inc. is a global leader in Actionable Intelligence® solutions and value-added services. More than 10,000 organizations in over 150 countries use our workforce optimization and security intelligence solutions to improve enterprise performance and make the world a safer place. For more information, visit www.verint.com.

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