

Nextiva

Nextiva S1800e Series Video Encoder Featuring H.264 Technology



At A Glance:

- **Exceptional performance:** 8-port and 16-port video encoders with triple streaming H.264 and MPEG-4 video up to 4CIF/25fps providing maximum video quality for minimum data transfer and storage
- **Environmentally friendly design:** External ENERGY STAR® qualified power supply provides lowest power consumption
- **Integrated with Nextiva Video Management software**
- **Seamless integration with IT infrastructure:** Featuring SNMP protocol and dual LAN interfaces
- **Superior reliability:** Built with an embedded Linux operating system

The Nextiva® S1800e Series from Verint® Video Intelligence Solutions® is comprised of enterprise-class, H.264-enabled video encoders designed for large-scale, geographically distributed operations. These powerful video encoders offer a comprehensive feature set that includes full frame rate with high resolution video on all ports and external power supplies.

Superior Performance with H.264 Technology

The Nextiva S1800e Series — which includes the S1808e and S1816e encoders — delivers high-resolution images for both recording and live video viewing. Both support H.264 and MPEG-4 video up to 4CIF/25 frames per second on all 8 or 16 ports. By incorporating industry leading H.264 video encoding technology, the S1800e Series offers excellent image clarity — while reducing use of network bandwidth and storage by up to 50 percent. The encoders also deliver greater flexibility by providing organisations with the option to view video at higher resolutions without increasing storage requirements. Able to simultaneously compress images at different rates and resolutions, the S1808e can support up to 8 analogue video cameras, while the S1816e can support up to 16. Both feature on-board motion detection, so that relevant data may be transmitted over the network, helping to improve system performance.

Ideal for Large-Scale Video Operations; Enables Lower Cost of Ownership

Built on over a decade of video solution deployments, the Nextiva S1800e Series provides the reliability, scalability, and flexibility that large-scale operations require. They are designed to deliver the lowest total cost of ownership (TCO), including greater reliability, bit rate and storage consumption, ease of installation and maintenance, less power requirements and seamless integration with Nextiva. The S1800e Series also features SNMP and dual LAN support for ease of integration with IT infrastructure and an intuitive Web browser interface accessible through Nextiva. These solutions are built on an embedded Linux operating system to provide a scalable, open platform for superior security and reliability.

Energy Efficient, Environmentally and User Friendly

Further, the Nextiva S1800e Series features an ENERGY STAR® qualified external power supply for a longer life span, making it the highly efficient, environmentally safe, and energy-saving choice. With a compact design, the video encoders are built for easy installation and operation in virtually any environment. RoHS compliant and certified for safety and EMI standards such as UL, FCC and CE, the Nextiva video encoders are environmentally friendly.



VIDEO INTELLIGENCE SOLUTIONS

Technical Specifications

	Nextiva S1808e	Nextiva S1816e
Video		
• Input	8 composites, 1 Vpp into 75 ohms NTSC/PAL, BNC female	16 composites, 1 Vpp into 75 ohms NTSC/PAL, BNC female
• Triple Stream	2 x H.264 and 1 x MPEG-4 streams	
• Performance	4CIF/25 fps, 4CIF/12.5 fps, 2CIF/12.5 fps on all channels simultaneously	4CIF/25 fps, 4CIF/12.5 fps, CIF/12.5 fps on all channels simultaneously
• Compression	H.264 Main Profile (MP) and MPEG-4 Simple Profile (SP)	
• Resolution	Scalable from CIF (352 x 288 pixels for PAL; 352 x 240 pixels for NTSC) to 4CIF format (704 x 576 pixels for PAL; 704 x 480 pixels for NTSC)	
• 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	Transport: RTP/IP, UDP/IP, TCP/IP, or multicast IP Others: DNS, NTP, SNMP v1/v2c/v3 (MIB-II), HTTP, HTTPS, and DHCP client	
• Security	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	USB 1 USB host port (for maintenance)	
Alarm		
• Inputs	8 dry contacts	16 dry contacts
• Outputs	Output: 2 relay contacts (48V AC/DC at 500 mA max.)	Output: 4 relay contacts (48V AC/DC at 500 mA max.)
Power		
• Input Voltage	12V DC +/- 10%	12V DC +/- 10%
• Power Consumption	max. 20W	max. 25W
Physical		
• Enclosure	1U Metal case with flange mount (black)	
• Dimensions	430L x 167.68W x 42.6H mm (17L x 6.6W x 1.7H in.)	
• Weight	Weight 1.8Kg (4.0 lb)	
• Operating Temperature	0°C to 55°C (32°F to 131°F)	
• Humidity	95% non-condensing at 55°C (131°F)	
• 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		
• USA	RoHS compliant	
• Canada	UL, FCC Part 15 (Subpart B, Class A)	
• Europe	ICES03 class A CE marking (EN55022, EN55024)	
Models		
• S1808e	8-Port video encoder featuring H.264 technology	
• S1816e	16-Port video encoder featuring H.264 technology	
Optional Accessories		
• PS1261-EU	ENERGY STAR qualified power supply for S1800e Series for United Kingdom (UK) or for Europe	
• PS1282-EU	ENERGY STAR qualified 19-inch rack mountable power supply for up to 10 S1800e Series devices for United Kingdom (UK) or for Europe	
• 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 labour	

About Verint Video Intelligence Solutions

Verint® Video Intelligence Solutions™ is the 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 leading provider of Actionable Intelligence® solutions for an optimised enterprise and a safer world. More than 10,000 organisations in over 150 countries rely on Verint solutions to perform more effectively, build competitive advantage, and enhance the security of people, facilities, and infrastructure.



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