

Nextiva

Nextiva S1800e Series Video Encoder Featuring H.264 Technology



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/30 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 organizations 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 analog 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.

At A Glance:

- **Exceptional performance:** 8-port and 16-port video encoders with triple streaming H.264 and MPEG-4 video up to 4CIF/30fps 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



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/30 fps, 4CIF/15 fps, 2CIF/15 fps on all channels simultaneously	4CIF/30 fps, 4CIF/15 fps, CIF/15 fps 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 4CIF format (704 x 480 pixels for NTSC; 704 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	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	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	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	
Management		
• Configuration	Nextiva, SConfigurator, Web browser interface and via the serial port	
• Firmware Upgrade	Flash memory for upgrade of application firmware over the network; available through Nextiva Control Center and SConfigurator	
Certification and Regulation		
• USA	RoHS compliant 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	
• S1816e	16-Port video encoder featuring H.264 technology	
Optional Accessories		
• PS1260	ENERGY STAR qualified power supply for S1800e Series	
• PS1281	ENERGY STAR qualified 19-inch rack mountable power supply for up to 10 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 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 optimized enterprise and a safer world. More than 10,000 organizations in over 150 countries rely on Verint solutions to perform more effectively, build competitive advantage, and enhance the security of people, facilities, and infrastructure.



videoinfo@verint.com
1-866-NEXTIVA

330 South Service Road
Melville, NY 11747 USA

www.verint.com/videosolutions

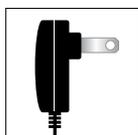
Unauthorized use, duplication, or modification of this document in whole or in part without the written consent of Verint Systems Inc. is strictly prohibited.

By providing this document, Verint Systems Inc. is not making any representations regarding the correctness or completeness of its contents and reserves the right to alter this document at any time without notice.

Features listed in this document are subject to change. Please contact Verint for current product features and specifications. All marks referenced herein with the ® or TM symbol are registered trademarks or trademarks of Verint Systems Inc. or its subsidiaries. All rights reserved. All other marks are trademarks of their respective owners.

© 2009 Verint Systems Inc.
All Rights Reserved Worldwide.

September 2009



Powered by an
ENERGY STAR®
qualified adapter
for a better
environment