Nextiva

S1801e-R Single-Port Decoders with H.264 & High-Definition Technology

Nextiva® S1801e-R single-port decoders incorporate advanced H.264 decompression technology to deliver superior video quality and excellent performance in enterprise, critical infrastructure, and other video surveillance applications.

Designed for use with all Nextiva S1800e Series single- and multi-port encoders, the S1801e-R is ideal for integration in distributed networks, including point-to-point applications. These compact decoders support four to six H.264 video streams, displaying up to four tiles on traditional CCTV monitors and up to six tiles on high-definition LCD or plasma monitors. With excellent video quality – up to 4CIF/30fps on every stream — the S1801e-R provides the high reliability of Verint's third-generation edge devices, plus IT-friendly features, easy implementation and maintenance, and a compact, environmentally friendly design.

IT Friendly and Easy to Manage

You can manage your S1801e-R decoders 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. Designed for easy installation and operation in any environment, the Nextiva S1801e-R can be configured using Nextiva Control Center, Verint SConfigurator™ software, or a Verint Web browser interface. And, like all Nextiva S1800e Series devices, the S1801e-R is fully integrated with Nextiva Video Management software — centralized device management, automated health monitoring, remote video viewing, and more — making it easier to manage geographically-dispersed video operations and devices that are located in isolated or hard-to-reach locations.

Energy Efficient, with a Light Environmental Footprint

The compact, lightweight S1801e-R has a 1U metal enclosure and is supplied with an external ENERGY STAR qualified power supply for reduced energy consumption. These enterprise-class decoders are 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 providing security intelligence solutions to government and industry worldwide. With the S1801e-R, Verint delivers versatile edge devices built on the latest video technologies, integrated with the industry's broadest video portfolio, and built for lowest cost of ownership and operation. Designed to enhance any video network, these decoders help organizations realize the benefits of IP video using their legacy video investments.

At A Glance:

- Single-port video decoder for displaying video on analog or high-definition monitors

- Displays up to 4 to 6 H.264 video tiles at 4CIF/30fps each, for excellent video quality

- Enables organizations to realize the benefits of IP video without discarding their existing video investments

- Reliable and IT friendly, with SNMP, an embedded Linux operating system, and flexible configuration and maintenance

- Compatible with Nextiva Video Management software and a Verint web interface for implementation and configuration

- Compact, energy efficient, and environmentally friendly

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VIDEO INTELLIGENCE SOLUTIONS™

Technical Specifications

	Nextiva S1801e-R	Nextiva S1801e-R-HDMI
Video		
• Outputs/Connectors	1 composite, 1 Vpp into 75 ohms NTSC/PAL, BNC female	HDMI with an output format of up to 1080p (1920x1080@30fps)
• Compression	H.264 (MPEG-4 Part 10/AVC) Main Profile	
• Performance	4 X 4CIF/30fps	6 X 4CIF/30fps
• Resolution	Scalable from CIF (352x240 pixels for NTSC; 352x288 pixels for PAL) to 4CIF (704x480 pixels for NTSC; 704x576 pixels for PAL)	Upscaling from SD to 720p, 1080i or 1080p
• Tiles	Maximum of 4 tiles on 1 monitor Tiles display options: 1x1, 2x2	Maximum of 6 tiles on 1 monitor Tiles display options: 1x1, 2x2, 3x2
• Video Latency	115 msec	
Network / Storage		
• Interface 1	RJ-45, Ethernet 10/100 Base-T	
• 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 Ports		
• Electrical Levels	Port 1: RS-232 (max. 230 kbps) pluggable clip-terminal strip or RS-422/485 2/4 wires (max. 230 kbps) pluggable clip-terminal strip	
• Operating Mode	Transparent serial port supporting any asynchronous serial protocol	
Alarm		
• Input	2 dry contacts	
• Output	1 relay contact (48V AC/DC at 100 mA max.)	
Audio		
• Bi-Directional	Input: -46 to -3 dBV into 30 Kohms (line or microphone input) Output: -46 to -3dBV into 16 ohms min.	
• Connectors	1/8 in. (3.5 mm) stereo jacks	
Power		
• Supply Voltage	12V DC +/- 10%	
• Power Supply	12V DC included	
• Power Consumption	Max. 4W	
Physical		
• Dimensions	4.2L x 3.5W x 1.7H in. (106L x 90W x 42H mm)	
• Weight	9.2 oz. (260 g)	
• Operating Temperature	32ºF to 122ºF (0ºC to 50ºC)	
• Firmware	Embedded Linux-based operating system	
• Humidity	95% non-condensing at 122ºF (50ºC)	
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 • Canada • Europe	RoHS compliant UL, FCC Part 15 (Subpart B, Class A) ICES03 class A CE marking (EN55022, EN55024)	
Models		
• S1801e-R	Single-port video decoder, featuring H.264 technology, with ENERGY STAR 12V DC universal power supply	
• S1801e-R-HDMI	Single-port video decoder, featuring H.264 technology, with HDMI connector and ENERGY STAR 12V DC universal power supply	
Optional Accessories		
• VRM8	19-inch rack mount panel for 8 units of the Nextiva S1800e series	

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 work-force optimization and security intelligence solutions to improve enterprise performance and make the world a safer place. For more information, visit www.verint.com.
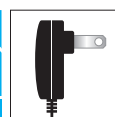
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