

Nextiva

Nextiva S1704e 4-Port Encoder with Video Analytics



The Nextiva S1704e is the industry's only 4-port video encoder with a comprehensive feature set that includes full frame rate with high resolution on all ports, camera tampering detection, an external power supply, and optional embedded video analytics.

The S1704e video server is especially effective in large-scale applications that require high-quality video, delivering dual-stream, MPEG-4 video up to 4CIF/30 frames per second on all four ports. The S1704e incorporates Verint's industry-leading video encoding technology for superior imagery and optimal bandwidth utilization. The S1704e also optimizes use of storage resources, with dual streaming that enables video to be viewed at high resolution with excellent image clarity, but stored at lower resolution.

An available high-power processor can be used for enhanced dual-stream video quality or for deploying on-board video analytics. These on-board analytics analyze images at the point of capture, eliminating the need to send all video to centralized servers for analysis. This can significantly reduce network bandwidth, storage, and server requirements, while providing highly accurate image analysis. Nextiva features a full line of sophisticated, on-board video analytics and is fully integrated with many third-party analytic applications, such as Agent Vi.

Automated camera tampering detection comes standard with the S1704e to rapidly detect when cameras are out of focus, helping to ensure that critical images are available and reducing the need to physically examine each camera on site.

SSL-based authentication helps prevent unauthorized access. An RS-232 serial port is provided for integration with access control systems, and an RS-422/485 serial port supports motorized domes and cameras.

Energy Efficient, Longer Life, Lower Cost of Ownership

The Nextiva S1704e features an external power supply, virtually eliminating the need to replace functional encoders because of faulty internal power units. Nextiva S1704e power consumption is just 20W, so it uses far less power than competitive products. This makes the S1704e a highly efficient, energy-saving choice. And the S1704e can be managed using Nextiva Enterprise or third-party video management software (via the Nextiva Advantage SDK), enabling organizations to deploy the video management solutions that best address their budgets and objectives.

Easy to Install, Less Costly to Service

The Nextiva S1704e video encoder is built for easy installation and operation in virtually any type of video system. These rack-mountable encoders can be placed in an IT closet with other network equipment, plugged into the Ethernet network, and configured individually using Verint's Windows-based SConfigurator software or in batches using Nextiva Control Center.

At A Glance:

- 4-port video encoder with dual-stream, MPEG-4 SP video up to 4CIF/30fps on all ports
- External power supply and low power consumption for a highly efficient, energy-saving solution
- Available with on-board analytics or enhanced dual-streaming performance
- Automatic camera tampering detection
- Optional bi-directional audio channel
- Configure and manage using Nextiva or other software management applications



VIDEO INTELLIGENCE SOLUTIONS™

Technical Specifications

Network <ul style="list-style-type: none"> • Interface • Connector • Protocols • Security 	Ethernet 10/100Base-T RJ-45 jack Transport: RTP/IP, UDP/IP, TCP/IP, or multicast IP Others: DNS, NTP, HTTP, FTP, and DHCP client SSL-based authentication
Video <ul style="list-style-type: none"> • Input • Dual Stream • Connector • Compression • Resolution • Frame Rate • Bandwidth 	4 composites, 1 Vpp into 75 ohms (NTSC/PAL) 4CIF/30fps and CIF/15fps programmable BNC female MPEG-4 SP, SM4 Scalable from 352x240 to 704x480 pixels NTSC and 352x288 to 704x576 pixels PAL 4 x 1-30fps NTSC, 1-25fps PAL programmable (full motion) Each stream configurable from 30Kbps to 6Mbps
Serial Port <ul style="list-style-type: none"> • Electrical Levels • Connectors • Operating Mode 	Port 1: RS-232 (max. 230 kbps) Port 2: RS-422/485 2/4 wires (max. 230 kbps) Port 1: DB-9 female (DCE) Port 2: pluggable screw-terminal strip Transparent serial port supporting any asynchronous serial protocol
Alarm & Audio <ul style="list-style-type: none"> • Alarm • Bi-Directional Audio (optional) 	Input: 12 dry contacts Output: 2 relay contacts (48V AC/DC at 100 mA max.) Input: 1, -46 to -3 dBV into 30 kohms (line or microphone) Output: -46 to -3 dBV into 8 ohms min. Connectors: One set of 1/8 in. (3.5 mm) input and output Stereo jacks
Power <ul style="list-style-type: none"> • Supply/Voltage 	S1704e-T and S1704e-T-A: 12V DC +/- 10% (17W) S1704e-T-AS and S1704e-T-A-AS: 12V DC +/- 10% (20W)
Physical <ul style="list-style-type: none"> • Enclosure • Dimensions • Weight • Environmental • Humidity 	Metal case with flange mount (black) 17L x 6.1W x 1.7H in. (431.8L x 154.9W x 43.2H mm) 5.3 lbs (2.4 kg) (S1704) 32°F to 140°F (0°C to 60°C) (S1704-AS) 32°F to 122°F (0°C to 50°C) 95% non-condensing at 122°F (50°C)
Management <ul style="list-style-type: none"> • Configuration • Firmware Upgrade 	Remote: Nextiva, SConfigurator Local: via the serial port using any ASCII terminal Flash memory for upgrade of firmware over the network; remote batch upgrade available through Nextiva Control Center and SConfigurator
Models <ul style="list-style-type: none"> • S1704e-T • S1704e-T-A • S1704e-T-AS • S1704e-T-A-AS 	4-input IP video encoder With 1 bi-directional audio channel With on-board analytics* or enhanced dual-streaming performance With on-board analytics* or enhanced dual-streaming performance and 1 bi-directional audio port
Certification and Regulation For information, please visit www.verint.com/S1704e	
Warranty 3-year limited warranty covering parts and labor (for the Americas). Contact your Verint representative for warranty details for other regions.	

* Nextiva analytics licensed separately

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 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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