Nextiva S1704e

DVD-Quality Ethernet Video Server with On-Board Analytics

The Nextiva™ S1704e is a high-performance, DVD-quality Ethernet video server with on-board analytics, designed for video monitoring and surveillance over IP networks.

The S1704e can deliver up to 4CIF, 30 Frames Per Second (FPS) for multi-camera applications requiring optimal image quality. With MPEG-4 SP video compression, dynamic bandwidth allocation, and dual streaming capabilities, the Nextiva S1704e helps optimize use of valuable network resources.

The Nextiva S1704e also features sophisticated on-board analytics, fully integrated with the Nextiva platform and applications. These analytics "at the edge" can dramatically reduce video transport and storage requirements and leverage all Nextiva capabilities, including automated health monitoring, event notification, and rules-based video distribution.

Easy to Configure and Manage

Nextiva Control Center, an easy-to-use management portal, simplifies deployment and enables you to configure and administer your S1704e from a single location and application. The Nextiva S1704e can also be configured and managed using Verint® nDVR™ or Verint Loronix Video Manager™.

Verint. Powering Actionable Intelligence.®

Verint Systems (NASDAQ: VRNT) is a leading global provider of analytic software-based solutions for communications interception, networked video, and business intelligence. Verint solutions transform voice, video, and text into *actionable intelligence* — timely, mission-critical insights for achieving strategic goals.

Since 1994, Verint has been committed to developing innovative solutions that help our customers achieve their most important objectives. Today, more than 1000 organizations in over 50 countries use Verint's actionable intelligence solutions to enhance security, boost operational efficiency, and fuel profitability.

KEY FEATURES

- ✔ DVD-quality, 4-port encoder
- ✔ Dual streaming, MPEG-4 SP compression, and dynamic bandwidth allocation to optimize network use
- ✔ SSL-based authentication for enhanced security
- ✔ RS-232 serial port for integration with access control systems
- ✔ RS-422/485 serial port to support motorized domes and cameras
- ✔ Automated configuration, health monitoring, and diagnostics with Nextiva
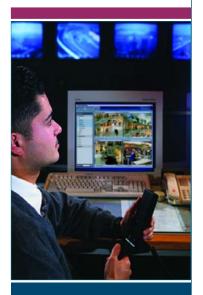
Nextiva Intelligent Edge Devices address security and performance challenges across a wide range of environments and applications.

The Nextiva S1704e Ethernet Video Server offers DVD-quality images with high frame rates and a lower cost per port.

Nextiva S1704e

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Technical Specifications

NETWORK

Interface	Ethernet 10/100Base-T
Connector	RJ-45 jack
Protocols	Transport: RTP/IP, UDP/IP, TCP/IP, or multicast IP
	Others: DNS, NTP, HTTP, FTP, and DHCP client
Security	SSL-based authentication

VIDEO

Input	4 composites, 1 Vpp into 75 ohms (NTSC/PAL)
Dual Stream	4CIF, 30 FPS and CIF, 15 FPS programmable
Connectors	BNC female connectors
Compression	MPEG-4 SP
Resolution	Scalable from 352 x 240 to 704 x 480 NTSC pixels (352 x 288 to 704 x 576 PAL pixels)
Frame Rate	4 x 1-30 FPS in NTSC (1-25 FPS in PAL) programmable (full motion)
Bandwidth	Each stream configurable 30 kbps to 6 mbps

SERIAL PORT

Electrical Levels	Port 1: RS-232 (max. 230 kbps)
	Port 2: RS-422/485 2/4 wires (max. 230 kbps)
Connectors	Port 1: DB-9 female (DCE)
	Port 2: pluggable screw-terminal strip
Operating Mode	Transparent serial port supporting any asynchronous serial protocol

ALARM AND AUDIO

Alarm	Input: 12 dry contacts
	Output: 2 relay contacts (48V AC/DC at 100 mA max.)
Bi-directional Audio (optional)	1 input (optional 12 input ports): -46 to -3 dBV into 30 kOhm (line or microphone input) 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

Supply Voltage	12V DC +/- 10% (17W)

PHYSICAL

Enclosure	Metal case with flange mount (black color)
Dimensions	17L x 6.1W x 1.7H in. (431.8L x 154.9W x 43.2H mm)
Weight	5.3 lb (2.4 kg)
Environmental	32ºF to 122ºF (0ºC to 50ºC)
Humidity	95% non-condensing at 122ºF (50ºC)

MANAGEMENT

Configuration *	Remote: via Nextiva, nDVR, Loronix Video Manager, SConfigurator, or Telnet
	Local: via the serial port using any ASCII terminal
Firmware Upgrade	Flash memory for upgrade of video codec and application firmware over the network

CERTIFICATION AND REGULATION

USA	FCC part 15 (subpart B, class A)
Canada	ICES-003/NMB-003
Europe	CE marked, EN 55022:1998 class A, EN 55024

MODELS

S1704e-T-AS	4-input, DVD-quality Ethernet video server with on-board analytics
S1704e-T-A-AS	With on-board analytics and 1 bi-directional audio channel

WARRANTY

	3-year limited warranty, covering parts and labor

* Product capabilities are enabled through software.

Contact your Verint representative for specific configurations, ordering codes, and pricing information.

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