Nextiva S1970e

Compact, DVD-Quality Ethernet Video Server

The Nextiva™ S1970e Ethernet video server is a single-port, DVD-quality encoder designed for digital video monitoring and surveillance over IP networks.

The S1970e can deliver 4CIF, 30 Frames Per Second (FPS) for single-camera applications requiring optimal image quality. With MPEG-4 SP video compression, dynamic bandwidth allocation, and dual streaming capabilities, the Nextiva S1970e helps optimize use of valuable network resources. And the S1970e is built for ease of use, enabling up to five authorized users to simultaneously monitor live video and configure other unit settings using Internet Explorer and a secure and intuitive Web browser interface.

Easy to Configure and Manage

Nextiva Control Center, an easy-to-use management portal, simplifies deployment and enables the Nextiva S1970e to be configured and administered from a single location and application. Nextiva HealthCheck™ continuously monitors the performance of the S1970e, with automated diagnostics and problem correction for greater uptime and lower service costs. The Nextiva S1970e can also be configured and managed using nDVR™, Loronix Video Manager™, or from a Web browser.

Built on accepted industry standards for easy interoperability with existing IT infrastructure and video equipment, the Nextiva S1970e is a comprehensive video encoder solution designed to deliver superior functionality, long-term investment protection, and value.

KEY FEATURES

✔ DVD-quality, single-port encoder

✔ Dual streaming, MPEG-4 SP compression, and dynamic bandwidth allocation to optimize network use

✔ SSL-based authentication for enhanced security

✔ RS-422/485 serial port to support motorized domes and cameras

✔ Ethernet 10/100Base-T interface

✔ Standards based and firmware upgradeable for investment protection

✔ 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 S1970e features DVD-quality images and secure Web video streaming for single-camera applications.

Nextiva S1970e

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

Output	1 composite, 1 Vpp into 75 ohms (NTSC/PAL)
Dual Stream	4CIF, 30 FPS and CIF, 15 FPS programmable
Connector	BNC female
Compression	MPEG-4 SP
Resolution	Scalable from 176x128 to 704x480 pixels NTSC and 176x144 to 704x576 pixels PAL
Frame Rate	1-30 FPS programmable (full motion)
Bandwidth	Configurable 30 kbps to 6 mbps

SERIAL PORT

Electrical Levels	422/485 2/4 wires
Connectors	5 position terminal strip
Operating Mode	Transparent serial port supporting any asynchronous serial protocol

ALARM

Alarm	Input: 1 dry contact
	Output: 1 optically isolated relay contact (48V AC/DC at 100 mA max.)
Alarm Connector	5-position terminal block

AUDIO

Bi-directional Audio	Input: -46 to -3 dBV into 30 kOhm (line or microphone input)
	Output: -46 to -3 dBV into 16 ohms min.
Audio Connectors	1/8 in. (3.5 mm) stereo jacks

POWER

Supply Voltage	12V DC ±10% (4.3W)
Power Supply	Included

PHYSICAL

Dimensions	4.2 x 3.5 x 1.7 in. (106 x 90 x 42 mm)
Weight	9.2 oz (260 g)
Environmental	32°F to 122°F (0°C to 50°C)
Humidity	95% non-condensing at 122°F (50°C)

MANAGEMENT

Configuration	Nextiva, nDVR, Loronix Video Manager, SConfigurator, or Internet Explorer 6.0
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

S1970e-T	Compact, DVD-quality Ethernet video server with 1 bi-directional audio channel; power supply included
S1970e-T-XT	With 1 bi-directional audio channel and extended temperature range (-30 to +60°C); power supply included

WARRANTY

3-year limited warranty, covering parts and labor