Nextiva S1950e

Compact, High-Resolution Ethernet Video Server

The Nextiva™ S1950e Ethernet video server is a single-port, high-resolution encoder designed for digital video monitoring and surveillance over IP networks.

The S1950e cost-optimized feature set facilitates CCTV migration to enterprise IP networks. With MPEG-4 SP video compression and dynamic bandwidth allocation, the S1950e also helps optimize use of valuable network resources. And the S1950e 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 S1950e to be configured and administered from a single location and application. Nextiva HealthCheck™ continuously monitors the performance of the S1950e, with automated diagnostics and problem correction for greater uptime and lower service costs. The Nextiva S1950e 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 S1950e is an economical and reliable video encoder designed to deliver superior functionality, long-term investment protection, and value.

KEY FEATURES

- ✔ High-resolution, single-port encoder
- ✔ Cost-optimized feature set for affordable CCTV migration to IP networks
- ✔ 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

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Nextiva Intelligent Edge Devices address security and performance challenges across a wide range of environments and applications.

The Nextiva S1950e is a cost-effective, high-resolution video encoder that facilitates analog device migration to IP networks.

Nextiva S1950e

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)
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% (3.7W)
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	32ºF to 122ºF (0ºC to 50ºC)
Humidity	95% non-condensing at 122ºF (50ºC)

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

S1950e-T	Compact Ethernet video server with 1 bi-directional audio channel; power supply included
S1950e-T-XT	With1 bi-directional audio channel and extended temperature range (-30 to +60ºC); power supply included

WARRANTY

3-year limited warranty, covering parts and labor