Nextiva S1900e

Compact DVD-Quality Ethernet Video Server with On-Board Analytics

The Nextiva™ S1900e Ethernet video server is a powerful, highly compact IP edge device with on-board video 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.

Designed to deliver DVD-quality video for single-camera applications, the S1900e also features two high-resolution, independent MPEG-4 SP video streams, one optimized for DVD-quality viewing and the other bit-rate optimized for storage efficiency.

Built on accepted industry standards, the Nextiva S1900e provides easy interoperability with your IT and enterprise systems.

KEY FEATURES

✔ DVD-quality, single-port encoder

✔ Dual-stream, MPEG-4 SP video input up to 4CIF, 30 FPS

✔ Powerful on-board analytics

✔ Bi-directional audio interface

✔ SSL-based authentication

✔ Standards based and firmware upgradeable for investment protection

✔ Automated configuration, health monitoring, and diagnostics with Nextiva

Easy to Configure and Manage

Nextiva Control Center, an easy-to-use management portal, simplifies deployment and enables you to configure and administer your S1900e from a single location and application. Nextiva HealthCheck™ continuously monitors the performance of the S1900e, with automated diagnostics and problem correction for greater uptime and lower service costs.

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

With on-board video analytics, the Nextiva S1900e can transform your CCTV cameras into intelligent IP sensors.

Nextiva S1900e

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	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	Port 1: RS-422/485 2/4 wires
Connectors	5 position terminal strip
Operating Mode	Transparent serial port supporting any asynchronous serial protocol

ALARM AND AUDIO

Alarm	Input: 2 dry contacts
	Output: 1 optically isolated relay contact (48V AC/DC at 100 mA max.)
Bi-directional Audio	Input: -20 to -3 dBV into 30 kohms
	Output: -46 to -3 dBV into 16 ohms min.
Connector	10-position terminal block

POWER

Supply Voltage	10-16V DC (6W)
Power Supply	Included

PHYSICAL

Dimensions	4.2 x 3.5 x 1.7 in. (106 x 90 x 42 mm)
Weight	10.2 oz (290 g)
Environmental	32°F to 113°F (0°C to 45°C)
Humidity	95% non-condensing at 122°F (50°C)

MANAGEMENT

Configuration	Nextiva, SConfigurator, or Internet Explorer 6.0
	Or local via the serial port using any ASCII terminal
Firmware Upgrade	Flash memory for upgrade of video codec and application firmware over the network; remote batch upgrade available through Nextiva Control Center
Analytics	On-board Nextiva Analytics processing

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

S1900e-T-AS	Compact, DVD-quality Ethernet video server with on-board analytics
S1900e-T-AS-XT	With on-board analytics and extended temperature range (-30 to +55°C)

WARRANTY

	3-year limited warranty, covering parts and labor