

# Nextiva S1704e

## High-Resolution 4-Input Ethernet Video Server



The Nextiva™ S1704e Ethernet video server with on board video analytics is designed for high-resolution video monitoring and surveillance applications.

The S1704e video server is analytics ready, eliminating the need to continuously transmit video to centralized servers for analysis, reducing network loading and storage requirements.

The S1704e delivers high quality 4CIF, 30 frames per second (fps), MPEG-4 SP/ASP video over any 10/100Base-T compatible networks.

Compactly designed, the S1704e accommodates four video inputs within a 1U, 6-inch (15-cm) depth enclosure. Multiple units can be rack-mounted on one or both sides of a standard 19-inch (48-cm) cabinet.

Configuration and management are made easy with Nextiva, nDVR™, or SConfigurator software.

- ✓ Analytics ready
- ✓ Compact footprint: four input video streams in 1U enclosure
- ✓ MPEG-4 video input
- ✓ High-resolution, 4CIF video streaming at 30 fps for each input
- ✓ Scalable resolution from 352 x 240 to 704 x 480 NTSC pixels (352 x 288 to 704 x 576 PAL pixels)
- ✓ SSL-based user authentication
- ✓ RS-422/485 serial port to support motorized domes and cameras
- ✓ Four discrete alarm inputs and two relay outputs
- ✓ Optional bidirectional audio interface for microphone or line-level input, and headphone or line-level output

Nextiva S1704e is a high resolution video server with on board video analytics support.



#### NETWORK

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

#### VIDEO

Input	4 composites, 1 Vpp into 75 ohms (NTSC/PAL)
Connectors	BNC female connectors
Compression	MPEG-4
Resolution	Scalable from 352 x 240 to 704 x 480 NTSC pixels (352 x 288 to 704 x 576 PAL pixels)
Frame rate	4 at 1-30 fps in NTSC (1-25 fps in PAL) programmable (full motion)
Bandwidth	Each stream is configurable between 30 kbps and 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 Port 2: pluggable screw-terminal strip
Operating mode	Transparent serial port supporting any asynchronous serial protocol

#### ALARM AND AUDIO

Alarm	Input: 4 dry contacts Output: 2 relay contacts (48V AC/DC at 100 mA max.)
Bidirectional audio (optional)	Input: -46 to -3 dBV into 1 kOhm Output: -46 to -3 dBV into 16 ohms min.
Audio connectors	One set of 0.14 in. (3.5 mm) input and output stereo jacks

#### POWER

Supply voltage	12V DC +/- 10%
Consumption	22W (1.8A at 12V DC)

#### PHYSICAL

Enclosure	Metal case with flange mount (black color)
Size	17L x 6.1W x 1.7H in. (431.8L x 154.9W x 43.2H mm)
Weight	5.6 lb (2.6 kg)
Environmental	32°F to 122°F (0°C to 50°C)
Humidity	95% non condensing at 122°F (50°C)

#### MANAGEMENT

Configuration *	Remote: via Nextiva, nDVR, 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

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

#### WARRANTY

3-year limited warranty, covering parts and labor

#### ORDERING

Part number	S1704e-T
Description	High-resolution Ethernet video server encoder with 4 inputs
Part number	S1704e-T-A
Description	High-resolution Ethernet video server encoder with 4 inputs and audio
Part number	-AAS
Description	Advanced Analytics Support

#### OPTIONAL ACCESSORIES

Part number	PDP10
Description	19-inch (48-cm) power distribution panel rack mount. Supports up to ten S1708e encoders
Part number	PS1260
Description	110V AC to 12V DC power supply for a single unit
Part number	PS1280
Description	High capacity power supply for rack mount installations (to be used with PDP10)

\* Product capabilities are enabled through software.

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