

# Verint Nextiva S1600e

## HIGH RESOLUTION VIDEO SERVER



Designed for Point-to-Point Applications  
(Including Web Access)

### Product Overview

Designed for video monitoring and surveillance over IP networks, the S1600e video server is a self-contained solution. It delivers high-quality MPEG-4-based video at 25 frames (50 fields) per second over 10/100Base-T networks using cat 5, fibre optic, and wireless media. The server can easily be extended over local and wide area networks (LANs and WANs) or the Internet using ISDN, PSTN, or xDSL routers. The video server is built on open standards to provide long-term investment protection.

The S1600e comes as two units: a video encoder (S1600e-T) with one analogue video input, and a video decoder (S1600e-R) with one analogue video output (PAL/NTSC). Together, the two modules enable analogue CCTV extension over the enterprise's LAN/WAN at a cost lower than that of laying out new cables.

The S1600e provides secure Web access capabilities using Internet Explorer. Up to five simultaneous users can monitor a live video stream and configure various unit settings using the Web interface.

Configuration and management are made easy with the Verint Nextiva™, nDVR™, Loronix Video Manager™, or SConfigurator™ software.

- ✓ First industrial CCTV solution allowing cost effective migration of analogue CCTV cameras to IP networks
- ✓ Point-to-point analogue extension with Web access (configuration and viewing)
- ✓ Dual-stream, MPEG-4-based video (one dedicated to Web access)
- ✓ High-resolution, "all lines" (352 x 576 pixels) video streaming at 50 fields per second
- ✓ Scalable resolution to 576 vertical lines for MPEG-2 video quality at a much lower data rate
- ✓ All firmware upgradeable via the network (including the video codec)
- ✓ User selection of RTP/IP, UDP/IP, TCP/IP, or multicast streaming
- ✓ RS-232 serial port for integration to access control systems
- ✓ RS-422/485 serial port to support motorised domes and cameras
- ✓ 3 discrete alarm inputs and 1 relay output
- ✓ Optional bidirectional audio interface
- ✓ SSL-based user authentication

DIGITAL.  
ENCRYPTED.  
NETWORKED.

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### 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	1 composite, 1 Vpp into 75 ohms (PAL/NTSC)
Output	1 composite, 1 Vpp into 75 ohms (PAL/NTSC)
Connectors	BNC female
Compression	MPEG-4-based
Resolution	Scalable from 176 x 144 to 720 x 576 PAL pixels (176 x 128 to 720 x 480 NTSC pixels)
Frame rate	Up to 25 frames (50 fields) per second programmable (full motion)
Bandwidth	Configurable between 30 kbps and 4 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:	3 dry contact inputs Output: 1 relay contact output (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	0.14 in (3.5 mm) input and output stereo jacks

### POWER

Supply voltage	12V DC +/- 10%
Consumption	6W (up to 500 mA at 12V DC)

### PHYSICAL

Enclosure	Metal case with flange-mount (black colour)
Size	4.5L x 5.6W x 1.25H in. (115L x 142W x 32H mm)
Weight	0.84 lbs (0.38 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 SConfigurator, Internet Explorer 6.0, 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 and Canada	FCC part 15 (subpart B, class A), ICES-003/NMB-003
Europe	CE marked, EN 55022:1998 class A, EN 55024

### WARRANTY

	3-year limited warranty, covering parts and labour
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### ORDERING

Part number	S1600e-T
Description	High resolution video server encoder
Part number	S1600e-R
Description	High resolution video server decoder
Part number	S1600e-T-A
Description	High resolution video server encoder and audio
Part number	S1600e-R-A
Description	High resolution video server decoder and audio
Part number	S1600e-T-XT
Description	High resolution video server encoder with extended temperature range of -22°F to 144°F (-30°C to 60°C)
Part number	S1600e-R-XT
Description	High resolution video server decoder with extended temperature range of -22°F to 144°F (-30°C to 60°C)
Part number	S1600e-T-A-XT
Description	High resolution video server encoder with extended temperature range of -22°F to 144°F (-30°C to 60°C) and audio
Part number	S1600e-R-A-XT
Description	High resolution video server decoder with extended temperature range of -22°F to 144°F (-30°C to 60°C) and audio
Part number	SRM10
Description	Standard black anodised 19-inch (48-cm) rackmount panel (for 10 modules)

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