Nextiva S1100w

Multi-Band Wireless Video Transmitter

The Verint® Nextiva™ S1100w wireless transmitter provides digital video transmission over multiple license-free wireless bands, with AES encryption for enhanced security.

Built on accepted industry standards, Nextiva S1100w Intelligent Edge Devices provide high availability and easy interoperability with your IT and enterprise systems.

The S1100w features on-board analytics designed to zero in on the most important images at the point of capture. These analytics "at the edge" can significantly reduce video transmission and storage requirements.

Easy to Configure and Manage

Nextiva Control Center, an easy-to-use management portal, simplifies deployment and enables you to configure and administer your S1100w from a single location and application. Nextiva HealthCheck™ continuously monitors the performance of the S1100w, with automated diagnostics and problem correction for greater uptime and lower service costs.

The Nextiva S1100w can also be configured and managed using Verint nDVR™ or Verint Loronix Video Manager™.

Nextiva S1100w Intelligent Edge Devices add value to your existing video investments and provide a path for growth.

Verint. Powering Actionable Intelligence.®

Verint Systems (NASDAQ: VRNT) is a leading global provider of analytic software-based solutions for communications interception, networked video, and business intelligence. Verint solutions transform voice, video, and text into *actionable intelligence* — timely, mission-critical insights for achieving strategic goals.

Since 1994, Verint has been committed to developing innovative solutions that help our customers achieve their most important objectives. Today, more than 1000 organizations in over 50 countries use Verint's actionable intelligence solutions to enhance security, boost operational efficiency, and fuel profitability.

KEY FEATURES

- ✔ Dual-stream, MPEG-4 based video with a maximum resolution of 2CIF, 30 FPS

- ✔ End-to-end secure wireless link using AES encryption

- ✔ Compact, weatherproof enclosure for outdoor use

- ✔ Auto sensing serial ports for connectivity to motorized domes, PTZ cameras, and other asynchronous serial devices

- ✔ 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 S1100w wireless video transmitter offers on-board analytics that can significantly reduce video transmission and storage requirements.

Nextiva S1100w

![VERINT — POWERING ACTIONABLE INTELLIGENCE®]

Technical Specifications

NETWORK

RF Interface:	Nextiva SPCF / SDCF 802.11a / 8.2.11g with proprietary MAC protocol
Frequency:	2.40-2.4835 Ghz (ISM) 5.250-5.350 GHz (U-NII-2) 5.725-5.825 GHz (U-NII-3 / ISM)
Modulation:	OFDM
Maximum Output Power:	2.40-2.4835 GHz: 19 dBm 5.250-5.825 GHz: 18 dBm
System Gain:	2.40-2.4835 GHz with 8.5 dBi gain antenna: 125 dB 2.40-2.4835 GHz with 16 dBi gain antenna:139 dB 5.250-5.350 GHz with 13 dBi gain antenna:130 dB 5.250-5.350 GHz with 18 dBi gain antenna:134 dB 5.725-5.825 GHz with 13 dBi gain antenna:131 dB 5.725-5.825 GHz with 18 dBi gain antenna:140 dB
Range: (RF line of sight)	2.40-2.4835 GHz (8.5 dBi): up to 3.4 miles (5.4 km) 2.40-2.4835 GHz (16 dBi): up to 9.4 miles (15.2 km) 5.250-5.350 GHz (13 dBi): up to 2.8 miles (4.5 km) 5.250-5.350 GHz (18 dBi): up to 4.3 miles (7 km) 5.725-5.825 GHz (13 dBi): up to 2.8 miles (4.5 km) 5.725-5.825 GHz (18 dBi): up to 6.2 miles (10 km)
Data Rate: (Max. burst rate)	6, 9, 12, 18, 24, 36, 48 and 54 Mbps
Maximum User Throughput:	In SPCF mode (Point-to-Multipoint): 10Mbps In SDCF mode (Point-to-Point): 15Mbps
Channel:	2.4 GHz: 11, 3 non-interfering 5.3 GHz: 4, non-interfering 5.8 GHz: 5, non-interfering
Encryption:	128-bit AES with auto key rotation
Protocols:	RTP/IP, UDP/IP, TCP/IP, or multicast IP DNS and DHCP client

VIDEO

Input:	1 composite, 1 Vpp into 75 ohms (NTSC/PAL)
Compression:	Proprietary MPEG-4-based (480 lines resolution) MPEG-4 ISO 14496-2 Simple Profile (480 lines resolution)
Frame Rate:	1-30 FPS programmable (up to 60 fields per second)

ALARM AND AUDIO

Alarm:	Input: 2 dry contacts (1 mA max.) Output: 1 relay contact (up to 48V at 100 mA)
Bi-directional Audio:	Input: 0 dBm into 600 ohms Output: -8 dBm into 600 ohms

SERIAL PORT

Electrical Levels:	Autolevel sensing RS-232 or RS-422/485
Operating Mode:	Transparent (supports any asynchronous PTZ serial protocol)

POWER

Input Voltage:	24V AC +/- 10% (optional 12V DC +/- 10%)
Consumption:	12W (1.0 A at 12V DC) 28 VA at 24V AC

PHYSICAL

Enclosure:	NEMA 4X / IP 66 powder coat painted die-cast aluminum with wall-mount brackets
Size:	9.0L x 3.9W x 3.8H in. (230L x 100W x 96H mm)
Weight:	2.6 lbs (1.2 kg)
Environmental:	-22ºF to 122ºF (-30ºC to 50ºC) Humidity 100% at 122ºF (50ºC)

MANAGEMENT

Configuration: *	Remote: via Nextiva, nDVR, Loronix Video Manager, 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

USA	FCC CFR47 part 15 (15.247, subparts B and E)
Canada	Industry Canada RSS-210, RSS-139, and ICES-003

WARRANTY

3-year limited warranty, covering parts and labor

Note: All transmitters come with 9-pin cables for video, data, and power; wall-mount and pole-mount brackets. Communicates with the S3100. Cab 8p cable for audio sold separately.

* Product capabilities are enabled through software.

Contact your Verint representative for specific configurations, ordering codes, and pricing information.

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