Verint Nextiva S1100w-CE

MULTIBAND WIRELESS VIDEO TRANSMITTER

Designed for the European CCTV market
License-free 2.4 and 5.4 – 5.7 GHz bands

Product Overview

The S1100w-CE wireless video transmitter enables digital video transmission over multiple license-free wireless bands (2.4/5.4-5.7 GHz). It delivers high-quality MPEG-4-based video at 25 frames per second (fps).

Compatible with standard analogue CCTV camerae, The S1100w-CE is specifically designed to allow deployment of cameras in hard-to-wire locations and to quickly extend the reach of wired CCTV systems. The S1100w-CE leverages the SmartSight SPCF™ protocol, which resolves "hidden node," quality of service, range, and security problems often present when using 802.11 wireless networking products.

When used with the S3100-CE wireless-to-Ethernet bridge/repeater, the S1100w-CE can extend your analogue CCTV system using the enterprise LAN/WAN, without adding costly cables.

Several S1100w-CE transmitters and S3100-CE bridges can be used to create multiple video links covering a large geographical area, such as for citywide monitoring. Configuration and management are made easy with Verint Nextiva ™, nDVR™, Loronix Video Manager™, or SConfigurator™ software. The S1100w-CE is built on open standards to provide long-term investment protection.

**WIRELESS.
DISTRIBUTED.
NETWORKED.**

- ✔ TPC and DFS support (5.4-5.7 GHz)
- ✔ Enables cost effective wireless extension of traditional CCTV systems and migration of analogue CCTV cameras IP networks
- ✔ End-to-end secure wireless link using AES encryption
- ✔ Access control via SSL-based authentication for unit and wireless network configuration and control
- ✔ MPEG-4-based video encoding at 25 fps for high-quality video at low bandwidth
- ✔ Autosensing RS-232/422/485 serial port for transparent connectivity to motorised domes, PTZ cameras, and other asynchronous serial devices
- ✔ Simple connectivity to PIR detectors and other sensors/alarms
- ✔ All firmware upgradeable via the network (including the video codec)
- ✔ Optional bidirectional audio interface
- ✔ Video loss alarm
- ✔ Resolves "hidden node," quality of service, and security problems often present when using conventional 802.11 wireless networking products
- ✔ Compatible with Ethernet video servers, Nextiva, nDVR, and Loronix Video Manager software
- ✔ User-friendly system management features using Verint Nextiva, nDVR, Loronix Video Manager, or SConfigurator software

Verint Nextiva S1100w-CE

MULTIBAND WIRELESS VIDEO TRANSMITTER

NETWORK

RF Interface	Verint SDCF for backbone applications Verint SPCF for point-to-point applications
Frequency	5.470-5.725 GHz, 2.412-2.472 Ghz (varies with country)
Modulation	OFDM
Output power	3-17 dBm (5 Ghz), 11 dBm (2.4 Ghz)
System gain	2.412-2.472 GHz with 8.5 dBi gain antenna: 112 dB 5.470-5.725 GHz with 13 dBi gain antenna: 131 dB 5.470-5.725 GHz with 18 dBi gain antenna: 140 dB
Range (RF line of sight)	2.412-2.472 GHz (8.5 dBi): up to 1.6 km (1 mile)
	5.470-5.725 GHz (13 dBi): up to 6.1 km (3.8 miles) 5.470-5.725 GHz (18 dBi): up to 13.7 km (8.5 miles)
RF Data rate (max.burst rate)	6, 9, 12, 18, 24, and 36 Mbps
Channel (2.4 Ghz)	11,3 non-interfering (DFS) varies with country
Channel (5 Ghz)	11 non-interfering (DFS) varies with country
Encryption	128-bit AES with automatic key rotation Protocols RTP/IP, UDP/IP, TCP/IP, or multicast IP DNS and DHCP client, HTTP 1.1 (Web server)
Security	SSL-based authentication

VIDEO

Input	1 composite, 1 Vpp into 75 ohms (NTSC/PAL)
Compression	MPEG-4-based (576-line resolution)
Frame rate	1-25 fps programmable (up to 50 fields per second)

ALARM AND AUDIO

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

SERIAL PORT

Electrical levels Auto	level sensing RS-232 or RS-422/485
Operating mode	Transparent (supports any asynchronous PTZ serial protocol)

POWER

Input voltage	24V AC +/- 10%, 50 Hz (optional 12V DC)
Consumption	28 VA at 24V AC 11W (920 mA at 12V DC)

PHYSICAL

Enclosure	NEMA 4X / IP 66 powder coat painted die-cast aluminium with wall-mount brackets
Size	230L x 100W x 96H mm (9.0L x 3.9W x 3.8H in.)

Weight	1.65 kg (3.6 lb)
Environmental	-30ºC to 50ºC (-22ºF to 122ºF)
Humidity	100% at 50ºC (122ºF)

MANAGEMENT

Configuration *	Remote: via nDVR, Loronix Video Manager, SConfigurator, or Telnet Local: via the serial port using any ASCII terminal
Firmware upgrade	Local or remote: via the serial port

CERTIFICATION AND REGULATION

Europe	CE marked EN 301 328-2 V1.2.1 (2001-12) EN 301 893 V1.2.3 (2003-08) EN 301 489-01 V1.4.1 (2002-08) EN 301 489-17 V1.2.1 (2002-08) EN 60950:2000

WARRANTY

	2-year limited warranty, covering parts and labour

ORDERING

Part number	S1100w-CE-24VAC-24
Description	Multiband 24V AC input wireless transmitter with 8.5 dBi gain, 2.4 GHz antenna
Part number	S1100w-CE-12VDC-24
Description	Multiband 12V DC input wireless transmitter with 8.5 dBi gain, 2.4 GHz antenna
Part number	S1100w-CE-24VAC-5x
Description	Multiband 24V AC input wireless transmitter with 13 dBi gain, 5.470-5.725 GHz antenna
Part number	S1100w-CE-12VDC-5x
Description	Multiband 12V DC input wireless transmitter with 13 dBi gain, 5.470-5.725 GHz antenna

Note: All transmitters come with 9-pin cables for video, data, and power; wall-mount and pole-mount brackets. They communicate with the S3100.

OPTIONAL ANTENNA

Part number	ANT-WP18-5x/S
Description	18 dBi gain, 5.470-5.725 GHz band, 18° beamwidth, patch antenna with 1-metre (3-foot) SMA-N cable

OPTIONAL ACCESSORIES

Part number	JBOX
Description	Outdoor junction box with wall-mount and pole mount brackets
Part number	CAB8P
Description	3-metre (10-foot) cable assembly for audio and alarms

* Product capabilities are enabled through software.

Call us at: +44 (0) 1932 839 500
Email: marketing.emea@verint.com
Or on the web at: www.verint.com
Verint Systems, 241 Brooklands Road, Weybridge, Surrey KT13 0RH.

VERINT
POWERING ACTIONABLE INTELLIGENCE®