

Verint SmartSight S1100w-CE-MT

MULTIBAND WIRELESS VIDEO TRANSMITTER WITH MOTION TRACKING CAPABILITY



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

PRODUCT OVERVIEW

Designed for the European CCTV market, the S1100w-CE-MT wireless video transmitter provides highly accurate, cost-effective wireless outdoor motion tracking. The S1100w-CE-MT uses adaptive digital processing technology to achieve highly sensitive detection in a wide range of operating environments with very low false alarm rates.

Compatible with standard analogue CCTV cameras, the S1100w-CE-MT provides digital video transmission over multiple license-free wireless bands (2.4/5.4-5.7 GHz), delivering high quality MPEG-4-based video at 25 frames per second (fps). The S1100w-CE-MT leverages Verint SmartSight SPCF™ polling 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-MT can extend your analogue CCTV system using the enterprise LAN/WAN, without adding costly cables. Several S1100w-MT-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 using Verint nDVR™, Loronix Video Manager™, or SConfigurator™ software. The S1100w-CE-MT is built on open standards to provide long-term investment protection.

KEY FEATURES

- ✓ Highly accurate wireless outdoor motion tracking
- ✓ Adapts rapidly to changes in light and weather
- ✓ Adjusts automatically to different types of cameras, including PTZ cameras with preset dwell positions
- ✓ TPC and DFS support (5.4-5.7 GHz)
- ✓ 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 Verint SmartSight S1500e series Ethernet video servers, nDVR, and Loronix Video Manager software
- ✓ User-friendly system management features using Verint SmartSight nDVR, Loronix Video Manager, or SConfigurator software

WIRELESS.
DISTRIBUTED.
NETWORKED.



Verint SmartSight S1100w-CE-MT

MULTIBAND WIRELESS VIDEO TRANSMITTER WITH WITH MOTION TRACKING CAPABILITY CAPABILITY

NETWORK

RF Interface	SmartSight SDCF for backbone applications SmartSight 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 (2.4 Ghz) (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)	3 non-interfering (DFS)
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)

MOTION TRACK

Probability of detection	Greater than 96%
Nuisance alarm rate	Less than 2 per day

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	Autolevel 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	-30°C to 50°C (-22°F to 122°F)
Humidity	100% at 50°C (122°F)

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
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WARRANTY

2-year limited warranty, covering parts and labour

ORDERING

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

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