

Emerge EWMS1000

Wireless Media Streamer



High quality and reliable audio and video connectivity

The Avocent EmERGE™ EWMS1000 wireless media streamer broadcasts standard definition, full-motion, streaming video from an analog video source to multiple display devices up to 1000 feet line-of-sight (LOS). The EmERGE EWMS1000 wireless media streamer makes installations simple and more cost-effective by eliminating the need for long cable runs and expensive PCs at each display.

The EmERGE EWMS1000 wireless media streamer is a simple hardware solution that requires minimal setup time. On the resource side, the transmitter connects directly to a computer, DVD player, VCR, and other A/V source devices. At the remote end, the receiver connects directly to the display device which could be a plasma screen, projector or monitor. The EmERGE EWMS1000 wireless media streamer can be used for point-to-point video extension or for point-to-multipoint broadcast applications; the only difference is the number of receivers.

The EmERGE EWMS1000 wireless media streamer converts any supported video source to any video output. The EWMS1000 automatically scales to a consistent 640 x 480 resolution. It requires no special application or operating system software.



EWMS1000 Transmitter

EWMS1000 Receiver

The EmERGE EWMS1000 wireless media streamer solution uses a smart wireless technology design. The component hardware is capable of self-setup and adjustment to ensure that the highest quality signal strength and video transmission is maintained.

FEATURES AND BENEFITS

- **Wireless Video.** Outputs 30 frames per second full motion video (MPEG2D1) at up to 640 x 480 resolution.
- **Point-to-Point and Multipoint Transmission.** By pushing a button on each device, the operator can train detected receivers to the transmitter.
- **Plug and Play.** Quick, simple installation. No software to download or controls required.
- **Multiple Input/Output Formats.** Built-in support for multiple input/output formats including Component, S-Video, Composite Video, VGA computer video (640 x 480), RS-232 control, and stereo audio.
- **Auto Input/Output Detection.** The wireless transmitter switches to an active input device and automatically converts and routes video and audio signals to connected displays.
- **Optional Antenna.** The HGA51G-DIR30 directional antenna is available for extended distance requirements.
- **Built-in Signal Strength Monitor.** Identifies performance-optimized mounting location automatically without special metering equipment.
- **802.11a Radio Standard.** Operates on the least-used standard WLAN frequencies for higher QoS and interference-free connectivity.
- **Proprietary Communications Protocol.** Proprietary packet protocol offers security and high bandwidth for challenging installations.
- **AES Encryption.** Built-in Advanced Encryption Standard (AES) for secure wireless connectivity.

EMERGE™ EWMS1000 WIRELESS MEDIA STREAMER SPECIFICATIONS

GENERAL

Size: 6.5 in. (165 mm) D, 1.25 in. (32 mm) W, 1.25 in. (32 mm) H, metal enclosure w/75mm vesa mounts

Weight: 2 lbs. (0.91 Kg)

Power Supply: External, 9 volt @ 1 amp AC to DC universal

Rated Power: 5 watts (transmitter), 4 watts (receiver)

Frequency: 5.2 GHz to 5.8 GHz

Operating Temperature: 32° F (0° C) to 104° F (40° C)

TRANSMITTER INPUTS

Computer Video Signals:

Mini D-Sub 15 pin (socket connector)

Input Resolution: Up to WXGA (1366 x 768)*

Up to 60 Hz Vertical Refresh

Video Signals:

Component (Pr, Pb, Py), S-Video, Composite Video, VGA Computer Video 480i @ 30 FPS

Audio: Stereo mini jack

Control: RS-232 D-Sub 9 pin

RECEIVER OUTPUTS

Computer Video Signals:

Mini D-Sub 15 pin (socket connector)

Output Resolution: VGA (640 x 480)

Up to 60 Hz Vertical Refresh

Video Signals:

Component (Pr, Pb, Py), S-Video, Composite Video, VGA Computer Video 480i @ 30 FPS

Audio: Stereo mini jack

Control: RS-232 D-Sub 9 pin

* Input resolution will be scaled down to 640 x 480 for transmission.

PERFORMANCE

Distance:

150 ft (46 m) through walls

Up to 1000 ft (305 m) line-of-sight with optional antenna

Compression: MPEG2

ANTENNAS

Two 2dB omni-directional (included)

8dB directional antennas (optional)

ANTENNA DISTANCE CONFIGURATIONS

Configurations	Line-of-Sight Distance Range	
	NTSC	PAL
2 omni-directional (T) / 2 omni-directional (R)	300 ft	300 ft
2 omni-directional (T) / 2 directional (R)	500 ft	750 ft
1 omni-directional (T) / 1 directional (R)	1000 ft	1250 ft
2 directional (T) / 2 directional (R)	1500 ft	2000 ft

STANDARDS

Approvals: UL/cUL, CE, FCC Class A, ICES-003 Class A, EN55022 Class A, EN61000-3-2, EN61000-3-3, EN55024, EN 301-489-1, EN 301-893

PART NUMBERS

EWMS1000T (Transmitter)

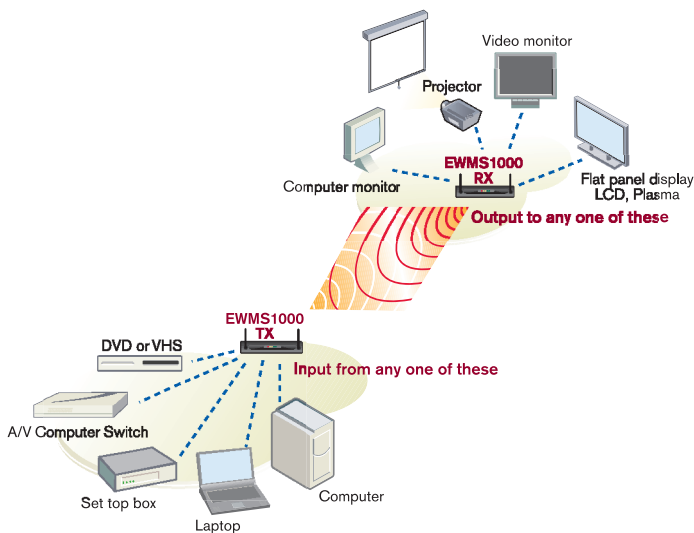
EWMS1000R (Receiver)

HGA51G-DIR30 (Optional directional antenna)

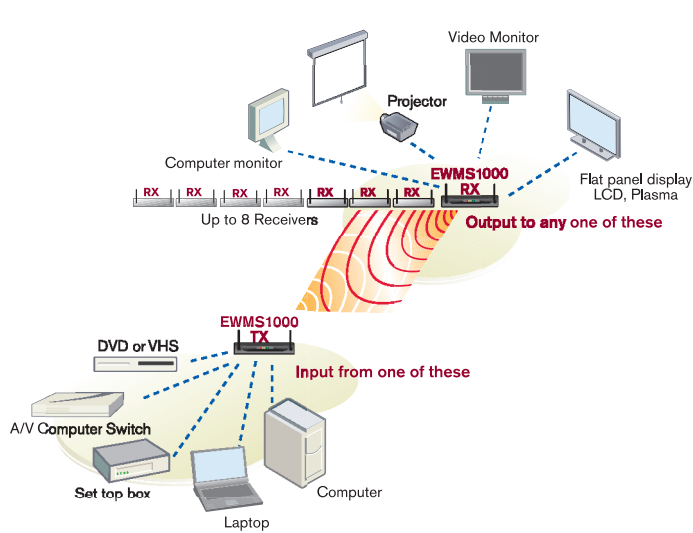
WARRANTY

Two years

POINT-TO-POINT INSTALLATION



POINT-TO-MULTIPOINT INSTALLATION



One Dambrackas Way, Sunrise, FL 33351
TEL 800.275.3500 - 954.746.9000, Ext. 7110
FAX 954.746.9101 - connectivity.sales@avocent.com
www.avocent.com

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