



# Avocent Professional A/V Extension Solutions

## Emerge™ UNI-8DB Directional Antenna

### FEATURES AND BENEFITS

- **Directional Antenna.** This optional antenna increases the line-of-sight distance up to 1000 feet.
- **Interchangeable Antennas.** Directional (optional) and omni-directional (standard) antennas are available to meet the requirements of your installation.
- **Antenna Distance Configurations.** Directional and omni-directional antennas can be configured in different combinations for NTSC and PAL line-of-sight distances.
- **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.

### High quality, highly reliable A/V connectivity

- **The Avocent EmERGE UNI-8DB directional antenna and the EmERGE EWMS1000 wireless media streamer work together to provide line-of-sight extended distance capability. The EmERGE UNI-8DB directional antenna works by focusing the energy of the antenna signal into an intensified unidirectional beam. In line-of-sight applications the directional antenna allows the EWMS1000 wireless media streamer receiver to be placed up to 1000 feet from the transmitter.**

The EmERGE UNI-8DB directional antenna accessory comes with two antennas, one antenna for the EWMS1000 wireless media streamer transmitter, and a second antenna for the EWMS1000 wireless media streamer receiver. The directional antennas work in the 802.11a band and provide frequency ranges of 5.150 GHz to 5.825 GHz.

The optional directional antenna and the EWMS1000 wireless media streamer can be deployed in either a point-to-point (extension) or point-to-multipoint (broadcast) configuration. The wireless media streamer delivers full motion streaming video and audio to multiple display devices, and provides support for multiple input/output formats including Component, S-Video, Composite Video, VGA computer video (640 x 480), RS-232 control, and stereo audio.



*When using the optional directional antennas for line-of-sight applications it allows the EWMS1000 wireless media streamer receiver to be placed up to 1000 feet from the transmitter.*

# EMERGE™ UNI-8DB DIRECTIONAL ANTENNA SPECIFICATIONS

## GENERAL

**Height:** 10.5 in.  
**Depth:** 1.5 in.  
**Width:** 4.5 in.  
**Weight:** 1.5 lbs  
**Frequency Range:** 5.150 GHz to 5.825 GHz  
**Gain:** 8dB  
**Polarization:** Horizontal  
**Horizontal Beam Width:** 40°  
**Vertical Beam Width:** 25°  
**Connector:** Reverse Polarity SMA

## ENVIRONMENTAL

**Operating Temperature:** 32° F to 104° F (0° C to 40° C)  
**Storage Temperature:** -4° F to 122° F (-20° C to 50° C)

## 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.

## SUPPORTED HARDWARE

EWMS1000T and EWMS1000R

## COMPLIANCE

UL, cUL, FCC, CE

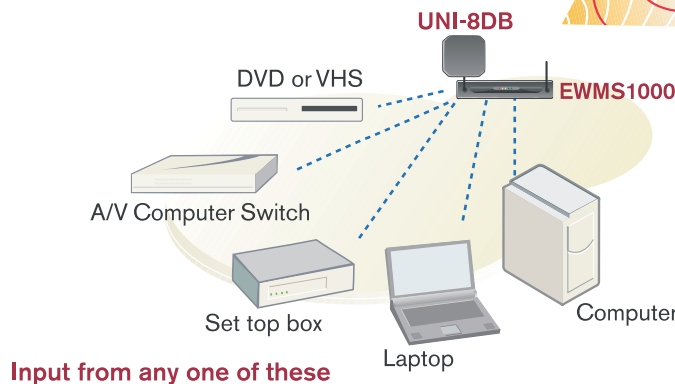
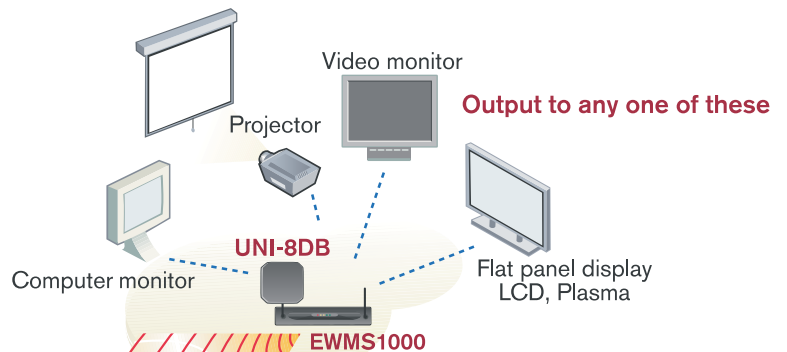
## ACCESSORY PART NUMBER

UNI-8DB

## WARRANTY

Two Years

Avocent Emerge UNI-8DB  
Directional Antenna  
(optional accessory).



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