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# HD-1000/1/2/10

## High Definition Audio/Video Transmitter

### 25 MHz- 1 GHz

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New Digital UHF Video Transmitter model HD-1000 is a fully synthesized audio/video transmitter for UHF band from 25 MHz-1000 MHz. It is a Military grade unit that covers the wide frequency range. The RF power output power is 1000 mW, 2 W (Model HD-1000/2) or 10W (Model HD-1000/10). It sends a crisp color picture and sound miles away. This transmitter will encode a single uncompressed program derived from devices with HDMI, Component Video or VGA outputs to HD MPEG2 video. Supports 480i, 480p, 720p and 1080i resolutions. This transmitter accepts Component Video signal, also it has built-in a Composite Video input, and VGA input as well.

Sold exclusively to Government agencies or Military forces.

Dimensions: 12.8 " X 3.5 " X 6.75 ".

Technical Specifications	
Operating Frequencies:	25 MHz-1000 MHz
Video inputs:	VGA, HDMI, Component, Composite
DC Voltage:	12 VDC
RF power:	1000 mW basic model HD-1000
Input resolution:	480i, 480p, 720p, 1080i Video res
Battery power:	12.6 V
Video distortion:	N/A
Maximum range:	1-2 miles (1W model) with dir. antenna
Video Format:	PAL, NTSC
Current Consumption:	2500 mA / 12 V
Antenna:	Omni Dipole recommended
Antenna Connector:	BNC
Impedance:	50 ohms
Video Connector:	BNC connector
Video composite Impedance:	75 ohms
Video level:	1 V
Audio input:	300 mV
Temperature Range:	-40 +75* C
Dimensions:	12.8" X 3.5 " X 6.75"

Weight:	1250 grams
Modulation:	QAM
Output level adjustment range	15dB
Phase noise	= -95dBc @ 10kHz offset
Broadband noise	= -75dBc @ > ±12MHz
MER	= > 40dB equalized
Channel frequency response	= < 1dB
Carrier suppression	> 40dB
I/Q in balance	< 1 degree
Output level accuracy	= ±1dB
STD, HRC, IRC, and Broadcast channels	