



HD-1000C

High Definition

Audio/Video Transmitter

25 MHz- 1 GHz



New Digital UHF Video Transmitter model HD-1000C is a fully synthesized audio/video transmitter for UHF band from 25 MHz-1000 MHz. It is a Commercial grade unit that covers the wide frequency range. The picture you can pick using any digital ready TV set. The RF power output power is 100 mW. It sends a crisp color picture and sound up to 500 ft. This transmitter will encode a single uncompressed program derived from devices with **HDMI, Component Video or VGA outputs to HD MPEG2 video**. It **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.

Technical Specifications	
Operating Frequencies:	25 MHz-1000 MHz
Video inputs:	VGA, HDMI, Component video in, Composite video in
DC Voltage:	12 VDC
RF power:	100 mW basic model HD-1000C
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:	1500 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
Output level accuracy:	= ±1dB

Weight:	1050 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
STD, HRC, IRC, and Broadcast channels	