

VMX 2000 Video Transmitter Kit

FCC TYPE: H25VMS2000

VMX-2000-Kit

The VMX-2000 Video Transmitter Kit is a complete, ready to operate microwave video transmitter solution and the ideal companion to a compatible receiver such as DTC's VRX-KT Video Brick Receiver Kit. Cables are included to connect to a variety of client supplied cameras.

The VMX-2000 Kit contains the power-selectable DTC VMX-2000 1/4 Watt -2 Watt Transmitter and two omnidirectional antennas. The compact Ant-A2x dipole duck antenna provides 2 dBi of gain and is primarily used for setup and testing while the QHA-4 Quadrifilar Helix Circular Polarized Antenna provides 4 dBic of gain. A 10 AA Battery Pack is included, along with 10 AA Batteries. In-lid Quick Start instructions and Operator Manual make setup a breeze. The kit is packaged in a rugged water resistant case with protective custom foam.

The DTC transmitter has ten user programmable video channels, selectable in 250 KHz steps. Each channel has two user programmable audio subcarriers, selectable in 10 KHz steps from 6 MHz to 7.5 MHz. The audio sub carriers are phase locked, and will not drift into the video signal. Automatic Gain Control is provided. An efficient Switching Power Supply ensures cool operation and longer battery life. The Multi I/O port on the transmitter enables you to power the camera and transmitter with a single cable.

VMX-2000 Video Transmitter Kit can be ordered in the following frequency bands: 1700-1850, 2200-2300 MHz, or 2400-2500 MHz. Optional Ovation MicroViewLock II™ encryption is also available.

Features

- ▲ DTC 1/4W-2W Transmitter
- ▲ (2) Omnidirectional Video Transmit Antennas
- ▲ Antenna cable
- ▲ 10 AA Battery pack
- ▲ Spare 10 AA Batteries
- ▲ World adapter 100 – 240 VAC Power Adapter
- ▲ Multi I/O Cable Assembly provides transmitter/camera power
- ▲ DTC Universal Programming Software
- ▲ Programming Cable
- ▲ Operators Manual
- ▲ Optional Encryption
- ▲ Screwdriver

Models

- ▲ VTX-KT-100 2 Watt 1700-1850 MHz operation
- ▲ VTX-KT-101 2 Watt 2200-2300 MHz operation
- ▲ VTX-KT-102 2 Watt 2400-2500 MHz operation



Specifications

Power Input Voltage	External 11-16 VDC
Power Consumption	7.2 Watts (not including camera)
Reverse Polarity Protection	Yes
TX Dimensions	3.9 x 2.7 x 0.512"
TX Encryption Model	3.9 x 2.7 x 0.842"
TX HeatSink	2.78 x 1.315 x 3.875"
Available Camera Power	Dependent upon voltage power supplied to the transmitter. Current limited to 200 mA.
Controls	10 channel select rotary switch, Panel mounted, recessed slide power selection switch
Connectors	2 pin Lemo: Mic 1 2 pin Lemo: Mic 2 SMA: Antenna 6 pin Multi I/O: Video in, Data in, DC input 11-16 VDC, camera power, Remote ON/OFF, Multiplexed Data out, Ground
Programmability	10 channels per selected band 250 KHz resolution steps Audio: User programmable from 6.0-7.5 MHz, in 10 KHz steps
Chassis	Machined, solid aluminum with rounded edges.
Environmental Factor	-30°C to +70°C Temperature 90% Humidity (non-condensing)
Operating Frequency	1700-1850 MHz, 250 KHz resolution steps 2200-2300 MHz, 250 KHz resolution steps 2400-2500 MHz, 250 KHz resolution steps
Power output 1/4W-2W	1/4W-2W min. @ nominal supply voltage, 25 Deg. C. -3db @ 7VDC ext. -2 dB over temp. 2.5 W maximum

Contact your DTC sales representative for other frequency bands which are not listed here

Add "ENC" to any of the above model numbers for Video Encryption

Add "ENC-AV" for Audio and Video Encryption

Ordering Information

- ▲ Call for availability