

Tactical Video Repeater

VTX-RX In-Band or Cross-Band Repeater

DTC brings the enhanced performance of its diversity receiver technology to a video repeater. The VTX-RX is a video/audio microwave repeater systems which provides a method of receiving a video signal and retransmitting that signal with the advantage of enhanced power and effective antenna location.

Our Diversity Vortex Receiver operates inside the portable 1400 pelican case. Two QHA (Quadrifilar Helix Antenna) Receiver Antennas are also mounted on the side. The receiver section incorporates DTC's Video Vortex Diversity technology. Special VideoVoter™ circuitry is used to select the best signal at all times to provide superior performance. This feature provides the strongest possible signal and helps to eliminate multipath interference and "drop-outs" or dead spots.

The Communications Buffer/Controller detects when a receive signal is present or when there is video synch detected and then automatically switches ON the transmitter, which operates on a separate frequency band. This circuitry also provides a 25 mS turn-on time and a 25 second transmitter time out delay. The VTX-RX comes with an optional remote ON/OFF switch.

The video/audio transmitter is a DTC 2 Watt/5 Watt VMX Model, which is highly efficient and dependable. The pointable directional transmitter antenna can be mounted on the lid top. Both the transmitter and receiver are user-programmable, and have a ten channel (non-paired) select switch.

The VTX-RX operates off either AC or DC power. A military power connector has been provided in the case. The VTX-RX also operates on DC power of 12-16 VDC.



Features

- ▲ In Band or Cross Band models, available
- ▲ Modular Components
- ▲ Diversity Receiver
- ▲ Dual Receiver Antenna
- ▲ Works in Encrypted or Clear Mode
- ▲ 2W/5W Video Transmitter
- ▲ Remote ON/OFF Switch
- ▲ Transmitter Auto Sleep Mode
- ▲ Self Contained BA-5590 Batteries (3)
- ▲ External AC and DC Power Options
- ▲ Voltage Meter
- ▲ 10 Channel Programmable for both Transmitter and Receiver
- ▲ 2 Audio and 2 Video Output Ports
- ▲ Selection of Directional and Omnidirectional Antennas available



DTC COMMUNICATIONS, INC