



OTX427/ OTX527/ OTX627 COFDM Digital Video Transmitter

Applications:

- ENG, News Gathering, Video Assist
- UAV/ UGV/ USV video links
- First responders/ Special forces
- Covert wireless video link
- Robots
- Body worn transmitters

DESCRIPTION

The OTX series of COFDM digital video transmitters excel in performance by providing high output powers in excess of 0.6W while consuming only 6.5W of dc power. They are lightweight and run cool which permits usage in many areas hereto limited by heat & size.

The transmitter has 16 preset channels & a PC GUI (restricted) allows the user to change the preset channel allocations & other parameters. The transmitter can accept 2 video inputs that are beneficial for selecting between standard & IR cameras (optional feature).

The OTX series offers one video channel, stereo audio and a data channel. Provision for an optional Avalon transceiver TR430-2G enhances the usability for most applications that require command & control too.

OTX427/ OTX527/ OTX627 FEATURES

- ♦ RF power output in excess of 0.6W with 4 power levels control
- ♦ One broadcast quality video channel (optionally 2 video inputs) – PAL or NTSC
- ♦ Two audio channels and data @ 19.2Kbps
- ♦ Sixteen preset frequencies
- ♦ Bandwidth selectable at 2,3,4 MHz (add suffix N) or 5, 6, 7 or 8 MHz
- ♦ Robust QPSK modulation
- ♦ Frequency Range- OTX427 : 390-470 MHz, 770-940 MHz or custom freq bands
OTX527 : 1.6 – 1.9 GHz standard or any 300 MHz range in L-band
OTX627 : 2.1 – 2.5 GHz standard or custom band allocated
- ♦ Connectors: SMA (f) for RF output; LEMO size 0B for power, audio & data
- ♦ Power: unregulated 9-20V DC, nominal 12V@ 600mA (max power)
- ♦ Weight: 1 lb (450 grams)
- ♦ Size: 4" (100mm) W x 5.25" (130 mm) H x 1.5" (40 mm) D