

## ODX402, ODX502, ODX602 COFDM Digital Video Receiver



### Applications

- Portable Diversity COFDM video receiver
- Mini UAV/UGV/AUV receiver/control station
- Robust Covert video systems
- High performance Video assist applications
- Complete 2 way Command & Control with the data module installed: Wide model – W suffix

### DESCRIPTION

The ODX402/ ODX502/ ODX602 is a rugged two-antenna diversity “receiver” intended for demanding long range, high mobility wireless video applications. The COFDM transmission of digital video ensures a robust video link.

ODX402: UHF band receiver with a tuning range of 170-230 MHz or 470MHz-862MHz.

ODX502: L-band receiver with a tuning range of 900 MHz- 1200 MHz or 1.2GHz-1.8GHz.

ODX602: S-band receiver with a tuning range of 2.1GHz-2.5GHz or 2.3 –2.7 GHz.

Several features built into the unit allow monitoring of the link performance. The wide model with the ‘W’ suffix is wider by 1” and accommodates Avalon’s 200Kb/s transceiver TR430-2G for data communication (optional).

### FEATURES

- ♦ UHF, L and S band operation – model dependent.
- ♦ Low power, light weight yet robust.
- ♦ Video, audio, and data through a 2,3,4,5,6,7 or 8MHz channel.
- ♦ 16 channels with ‘quick select’.
- ♦ Conforms to DVB-T standards.
- ♦ Sensitivity better than –92 dBm.
- ♦ Two (2) PAL or NTSC outputs for monitoring & recording.
- ♦ Stereo audio & Data @ 19.2Kbps
- ♦ Power: unregulated 9-24V DC, 12V@ 0.5A.
- ♦ Weight: 1.3 lbs (580 grams) with in-built diversity down-converters.
- ♦ Size: 6” (152 mm) W x 1.75” (44 mm) H x 6.2” (158 mm) D; 1U High  
(Rack Mount Kit optional)