

## ODX402, ODX502, ODX602 COFDM Diversity 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.

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

### ORDERING

| Model  | Frequency Band/<br>Range                         | Encryption | External<br>Down-Converter | Data | Rear Antenna<br>Inputs | Dual<br>Rack-Mount |
|--------|--------------------------------------------------|------------|----------------------------|------|------------------------|--------------------|
| ODX402 | UHF (450-862 MHz)                                | - EC       | N/A                        | - U  | - R                    | - R2               |
| ODX502 | L (900MHz, 1. 2 GHz,<br>1.4 GHz, 1. 7 –1. 9 GHz) | - EC       | - 1                        | - U  | - R                    | - R2               |
| ODX602 | S (2.1 – 2.5 GHz or<br>2.3 – 2.7 GHz)            | - EC       | - 1                        | - U  | - R                    | - R2               |