



COFDM Video Receiver Microwave Digital Video Receiver

Rugged Portable Diversity Video Receiver with Telemetry

The COFDM Video Receiver is a stand alone rugged unit capable of receiving video in a range of frequency bands.

In addition to the two diversity video receive antennas there is a third antenna that is dedicated to the UHF telemetry channel. The telemetry channel is typically used as a control path for PTZ cameras.

It offers excellent RF performance in both the video and telemetry paths, with a very low sensitivity figure down to -120dBm for the video receiver. This can be subject to variations in performance due to environmental effects, frequency band and mode of operation. The UHF telemetry path typically operates up to 1km non-line of sight.

Within the chosen RF band sixteen separate user specified receive channels can be pre-programmed. These are configured by a PC software application, which connects to the unit via the control cable. There is a separate D-Type connector which is used for the telemetry data path. The power connection is also integrated into the interface cable.

The video output is on a standard BNC connector, whilst RF connectors allow the antennas to be detached during storage.

The unit has a very rugged build and is suitable for use outdoors and comes with an IP66 environmental rating.

Overview

COFDM Digital Video Receiver

Choice of RF Band

User Configurable Channels

Telemetry Channel

All Weather Unit - IP66

Diversity Operation

Software Support

PC Control

Rugged Build

Excellent RF Sensitivity

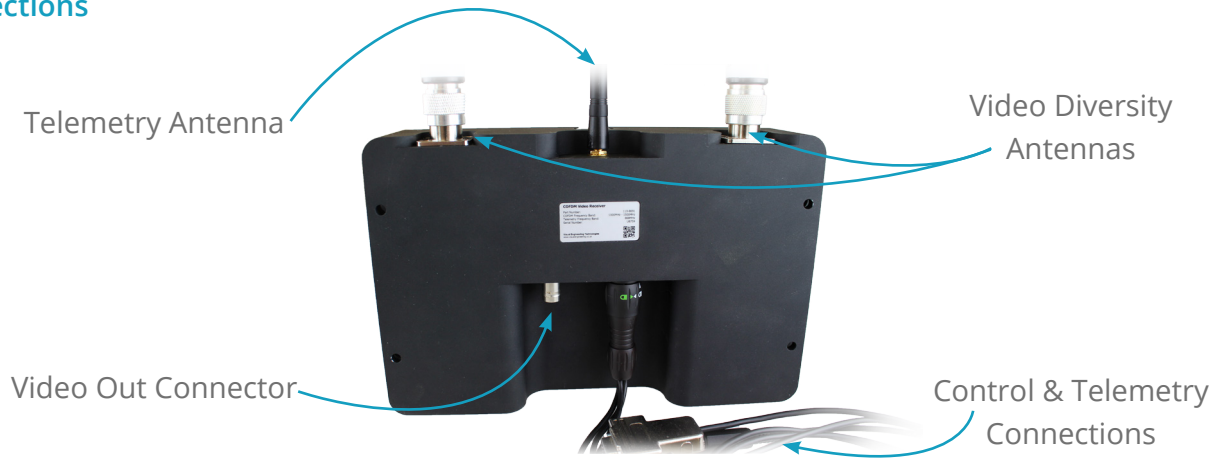
DC Powered

Multiple Mounting Options

Video Encryption Options



Connections



L Band System Kit Contents with Part Numbers

- COFDM Video Receiver L Band 110-8691
- Power Comms Interface Cable 110-8853
- 1250MHz Video Antenna x 2 110-8852
- 868MHz Telemetry Antenna 110-8866
- 15v DC Power Supply 110-8661

Specifications			
Frequency Options	L-Band: 1 to 1.5GHz S-Band: 2 to 2.5GHz	Connection	Supplied Cable
Demodulation	COFDM, QPSK or 16QAM	Baudrate	Selectable
Sensitivity	-115dBm to -120dBm	Comms Mode	RS232
Channel Bandwidth	2.5, 6, 7, 8MHz	Power Requirements	6 to 16v DC
Telemetry Frequency	868MHz	Environmental	IP66
User Channels	16	Weight	2kg
Encryption	AES128, AES256	Dimensions	200 x 140 x 30mm

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