

## LL4 COFDM Digital Video Transmission System



The Drivedata LL4 system is an exceptionally stable wireless video transmission system. Using the latest digital COFDM modulation techniques and diversity reception, the LL4 delivers high quality, low latency video images in conditions where traditional analogue FM methods fail. The use of ultra low bandwidth ensures increases receiver sensitivity when compared with conventional analogue techniques.

The LL4 is suitable for a wide range of applications including security, video assist, TV broadcast and onboard sports coverage. It can be used in body worn, mobile and temporary fixed installations. Its low current consumption allows for efficient battery operation.

Various power outputs and frequencies are available catering for longer transmission ranges. LED indicators and a signal level meter provide the user with a clear view of DC power and receiver tuning lock status. Several channels are available within most bands, allowing multiple receivers to be used with one or more receiver. Channels are programmed using a replaceable SIM card in each transmitter/receiver or using an optional remote control.

### Specifications

#### **Transmitter:**

Standard output: 100mW ( 1W optional ) Power - 12 VDC via 2.1mm socket/Hirose 6 pin socket  
 Current: 100mW = 500mA, 1W =1.5A  
 RF output connection : SMA  
 Video/Audio Inputs: Composite Video & Stereo Audio (Line level) via 6 pin Hirose socket  
 Dimensions : 160 mm x 80 mm x 50 mm Weight : 0.75 kg

#### **Receiver:**

RF Inputs: Dual Diversity MRC RF via N-types. 2 x Omni-directional high gain antennas included  
 Outputs: Composite Video, Stereo Audio (Line Level)  
 Power : 12-24 VDC 600mA @ 12 V  
 Dimensions : 72 mm x 114 mm x 60 mm Weight : 1.6 kg  
 Connector: Waterproof multi-pin connector. Optional 100m extension cable reel available  
 Frequencies: L Band 1.15 - 1.4 GHz 100mW S Band 2.2 - 2.6 GHz 100mW/1W C Band 5.7 - 5.8 GHz 100mW. Other frequencies & power outputs – please contact us with your requirements.  
 Latency: All digital video transmitters using video compression will experience some delay. The LL4's delay is only around 100-150mS, depending on the chosen compression method.

Bandwidth / Compression / Modulation				
Standard	8 MHz	JPEG2000	QPSK or 16-QAM	720 x 576 D1
Narrow	2 MHz	MPEG4	QPSK	704 x 576 4CIF
Ultra Narrow	1 MHz	MPEG4	16QAM	352 x 288 CIF

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