

# Digital MicroVision



The CDL Digital MicroVision (DMV) is a next generation surface video transmission system which uses the latest CODFM digital coding techniques to achieve many advantages over traditional video transmission methods.

A greatly enhanced picture is produced at the receive end. Ghosting effects, often seen on analogue systems are eliminated and the system gives longer range while using less power.

Up to 8 DMVs can be used in the same area and both PAL and NTSC are supported. The system comprises Tx & Rx heads, a Transmitter control box and Receiver control box with integrated 5.6" display. All housings are ruggedised machined aluminium. A range of antenna options are available allowing increased range in both directional and omni-directional configurations.



## Features:

- Digital TV technology
- Excellent picture quality
- Long range
- Low power
- No ghosting
- 8 Channels available
- Ruggedised for offshore use
- Multiple antenna options

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## Product Specification:

Antenna Impedance	50 ohm
Transmitter Frequency	250-2700 MHz
Tx Power Output	400mW (max)

Multi-channel Options 8 selectable Channels  
Channel Bandwidth 6,7,8 MHz (Selectable dependant on quality requirements)

Video Coding MPEG2 4-8Mbit/s  
Audio Coding MPEG2 Audio, 128Kbit/s  
Modulation Technique QPSK (Quadrature Phase Key Shifting)  
Range 10km approx (Line of Sight)  
Operating Voltage 12VDC or 110-240VAC(Optional)  
Power Rating: TX: 10 watt approx  
RX: 16 watt approx

Video/Audio Connections:  
Video Input/Output 1x BNC Connector  
Audio Input/Output 2x BNC Connectors (Left/Right Channels)