

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 receiver 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 and Rx heads, a Transmitter control box and Receiver control box with integrated 5.6" display. All housings are ruggedized 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
- Ruggedized for offshore use
- Multiple antenna options

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Product Specification:

Video Coding MPEG2	4-8Mbit/s
Audio Coding MPEG2 Audio	128Kbit/s
Modulation Technique	QPSK (Quadrature Phase Key Shifting)
Antenna Impedance	50 ohm
Transmitter Frequency	2405-2475 MHz
Tx Power Output	400mW (max)
Operating Voltage	110-240VAC

Channels:

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

Range:

Range	20km (Line of Sight)
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Power:

Power Consumption:	TX: 10 watt approx RX: 16 watt approx
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Video/Audio Connections:

Video Input/Output	1x BNC Connector
Audio Input/Output	1 x BNC Connectors (Input) 1 x Audio Jack (Output)
S-Video Input/Output	S-Video Connector

Dimensions:

Rx Display	240mm x 180mm x 90mm
Tx Control	168mm x 100mm x 97mm
Rx Receiver	198mm x 95mm x 45mm
Tx Transmitter	198mm x 95mm x 55mm

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