

MicroVision



The CDL MicroVision is a 2.4GHz long range full colour video transmission system available in a multi-channel or single channel package.

The MicroVision has been designed for use in the offshore survey industry and has many features which will improve performance in harsh environments. All system housings are machined from solid aluminium and hard anodised for protection. Both RF and control units are 'O' ring sealed against water ingress.

A high quality 5.6" LCD monitor is built in to the receiver control unit. This allows for rapid system set-up and use without the need for an external monitor. The monitor switches automatically between PAL and NTSC video formats. The switch mode AC power supplies used in the control units mean that absolutely no modifications are needed for use worldwide.

The multi-channel RF units contain frequency switches which allow them to be set to any one of 4 available frequencies, all with the same high quality images. Audio is also available as a standard feature.

Options include directional antennae and high power versions.



Features:

- Up to 10km range
- Low cost
- Light weight
- Built in 5.6" monitor
- PAL/NTSC compatible
- Tough housings
- 4 Frequency channels
- 2 Audio channels

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Product Specification:

Antenna Impedence	50 ohm
Transmitter Frequency	2.4-2.4835GHz
Tx Power Output	1W (max)
Oscillator	PLL (Phase Locked Loop)
Multi-channel option	4 selectable channels
Single-channel option	1 fixed channel
Channel Bandwidth	10 MHz
Video Input/Output	1V p-p
Audio Input/Output	50mV rms +/- 10%/600W
Modulation Technique	Frequency Modulation (FM)
Pre-emphasis	CCIR-PAL-405-01
Range	10 Km (Line of sight) (6.21 miles)

Operating Voltage	12V dc / 85-264 ac
Protection	IP67

Tx module dimensions	246x118x70 mm	(9.7x4.7x2.8")
Tx module weight	2.3 kg	(5.1 lb)

Tx control dimensions	168x100x97 mm	(6.6x3.9x3.8")
Tx control weight	1.7 kg	(3.75 lb)

Rx module dimensions	198x95x33 mm	(7.8x3.7x1.3")
Rx module weight	1.0 kg	(2.2 lb)

Rx control dimensions	240x180x90 mm	(9.5x7.1x3.5")
Rx control weight	3.6 kg	(7.9 lb)

Rx system in case	480x380x180 mm	(18.9x15x7.09")
Rx system in case weight	12kg	(26.46lb)

Tx system in case	480x380x180 mm	(18.9x14.97x14.97")
Tx system in case weight	10kg	(22.05lb)

Operating Temperature	-10 to +60°C
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