

# MicroVision



The CDL MicroVision is a multi-channel 2.4GHz long range full colour video transmission system.

The MicroVision has been designed for use in the offshore 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 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.



## 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

## Product Specification:

|                       |                                 |
|-----------------------|---------------------------------|
| Antenna Impedance     | 50 ohm                          |
| Transmitter Frequency | 2.4- 2.4835GHz                  |
| Tx Power Output       | 1W (max)                        |
| Oscillator            | PLL (Phase Locked Loop)         |
| Multi-channel option  | 4 selectable channels           |
| Channel Bandwidth     | 10MHz                           |
| Video Input/Output    | 1V p-p                          |
| Audio Input/Output    | 50mV rms +/- 10%                |
| Modulation Technique  | Frequency Modulation (FM)       |
| Pre-emphasis          | CCIR-PAL-405-01                 |
| Range                 | 10 km (Line of Sight) (6 miles) |

## Power Requirements:

|                   |           |
|-------------------|-----------|
| Operating Voltage | 85-264 ac |
|-------------------|-----------|


## Environment:

|                       |             |
|-----------------------|-------------|
| Operating Temperature | -10° to 60° |
| Protection            | IP67        |

## Weights and Dimensions:

|                       |                                     |
|-----------------------|-------------------------------------|
| Tx module dimensions  | 246 x 118 x 70mm (9.7 x 4.7 x 2.8") |
| Tx module weight      | 2.3kg (5.1lb)                       |
| Tx control dimensions | 168 x 100 x 97mm (6.6 x 3.9 x 3.8") |
| Tx control weight     | 1.7kg (3.75lb)                      |
| Rx module dimensions  | 198 x 95 x 33mm (7.8 x 3.7 x 1.3")  |
| Rx module weight      | 1.0kg (2.2lb)                       |
| Rx control dimensions | 240 x 180 x 90mm (9.5 x 7.1 x 3.5") |
| Rx control weight     | 3.6kg (7.9lb)                       |

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