

MICROVISION

Video Transmission Package

The Teledyne CDL MicroVision is a 2.4GHz long range full colour multi channel or single channel video transmission 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.

Options include directional antennae and high power versions.



PRODUCT FEATURES

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

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TECHNICAL SPECIFICATIONS

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
Single-channel option	1 fixed channel
Channel bandwidth	10 MHz
Video input/output	1V p-p
Modulation technique	Frequency modulation (FM)
Pre-emphasis	CCIR-PAL-405-01
Range	10km (line of sight) (6.21 miles)
Operating voltage	12 VDC/85-264 ac
Protection	IP67

Dimensions	Tx module dimensions	246 x 118 x 70mm
	Tx control dimensions	168 x 100 x 97mm
	Rx module dimensions	198 x 95 x 33mm
	Rx control dimensions	240 x 180 x 90mm
	Rx system in case	480 x 380 x 180mm
	Tx system in case	480 x 380 x 180mm

Weight	Tx module weight	2.3kg
	Tx control weight	1.7kg
	Rx module weight	1.0kg
	Rx control weight	3.6kg
	Rx system in case weight	10kg
	Tx system in case weight	10kg

Temperature	Operating temperature	-10 to +60°
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COMPANY WITH
MANAGEMENT SYSTEMS
CERTIFIED BY DNV
= ISO 9001 =
= ISO 14001 =

Specifications subject to change without notice.
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