



VLR31/B10 - D Series

COFDM Digital Video Briefcase Receiver

SPECIALIST DESIGN THROUGH INNOVATION AND TECHNOLOGY

The ECS digital briefcase receiver has been specifically designed for mobile reception of COFDM digital video transmission from either aircraft or ground based transmitters. It is the successor of our well proven analogue equipment. As standard, a high brightness detachable 10.4" LCD colour monitor is provided, with the facility to daisy chain onto other large monitors as required.

The equipment is rugged, reliable and proven in the field of covert surveillance.

Both dual and single video channel versions are available.

The ECS digital briefcase receiver has up to 30 channels and an LCD display of signal strength, and channel frequency. The internal battery will give up to 1.5 hours autonomous use. A wide range 100-240v AC power supply is included within the case.

Versions are available in the 1.4 GHz, 2.3 GHz, 3.5 GHz, 4.5 GHz and 5.3 GHz bands.



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**DESIGNERS AND MANUFACTURERS OF RF
& MICROWAVE COMMUNICATION SYSTEMS**

DS-13895-B-00-0



ECS VLR31/B10 - D Series

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OUTLINE SPECIFICATION

Part Numbers:	VLR 31/B10 - D1.4 : 1.3 - 1.5 GHz VLR 31/B10 - D2.3 : 2.3 - 2.5 GHz VLR 31/B10 - D3.5 : 3.3 - 3.6 GHz VLR 31/B10 - D4.5 : 4.4 - 4.9 GHz VLR 31/B10 - D5.3 : 5.2 - 5.4 GHz
Receiver Frequency Range:	Up to 30 channels within a nominal 10% proportional frequency bandwidth
Noise Figure:	2 dB max (with external Down Converter)
Input Sensitivity:	-92 dBm minimum (IF input sensitivity into the receiver) -95 dBm minimum (RF sensitivity, including the LNB front end)
Duration:	1.5 hours autonomous use On/Off switch Memory location button for channel selection
Indications:	LCD display Frequency Signal strength Battery state GPS position of transmitter
Display:	Detachable 10.4" LCD colour monitor @ 500 cds/m2 brightness with Y/C input
Power Supply:	12V DC and 100-240V AC Incorporates a 6.0AH 12V sealed battery which charges automatically for both mains and DC supply
Connections:	IEC AC mains BNC female - video out (buffered & DC restored) 25 pin Canon D Type - MPEG2 T.S (optional) N type female RF input 9 pin D type female GPS detachable 9 pin D type female RS232
Antenna:	2 dBi end fed dipole 1.4 GHz 2 dBi end fed dipole 2.37 GHz VOA4 active antenna 3.45 GHz VOA4 active antenna 4.5 GHz OA4 active antenna 5.3 GHz (2 dBi end fed dipole also available)
Video / Audio:	Outputs in PAL and Y/C (RGB optional) Inbuilt speaker with volume control and 3.5mm jack

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