

# COFDM - VIDEO, AUDIO TELEMETRY & IP PRODUCTS

## DIGITAL WIRELESS VIDEO SYSTEM

### SOLO4-MICROVUE RECEIVE CASE

The MicroVue is a briefcase receiver/recorder package for tactical video surveillance operations. Additionally it can be used as a remote video receiver for UAV and UGV applications.

The MicroVue combines a SOLO Receiver with two diversity down-converters and two antennae into one rapidly deployable briefcase kit. An 8.4" colour monitor is mounted in the lid. A choice of recording options are available, including the SONY GVD 200 and STING Digital Video Recorder. Power sources include a LiON internal, rechargeable battery; AC operation; and DC operation. All cables are included.

The optional IP Network Engine provides the MicroVue with a video streaming capability for network interfacing.

The  $\delta$ omo narrow bandwidth modulation, available as an upgrade, offers unprecedented spectrum efficiency, while also increasing the system sensitivity and, therefore, range.

The MicroVue has comprehensive on screen display diagnostic capability to show link quality and spectrum and is equipped with video, two voice and data channels. Security of transmission is ensured by the use of Standard ABS encryption or, for greater security, the optional AES128/256 bit encryption algorithms, subject to export control.

#### Features:

- Comprehensive demodulation 8/7/6/2.5MHz (1.25MHz optional)
- Maximum ratio combining antenna diversity for fade and multipath elimination
- Lid mounted antennae
- 8.4" colour monitor in lid
- AC, DC, internal battery operation
- SONY GVD or Digital Video Recorder
- Lightweight rechargeable LiON batteries
- Comprehensive on screen display (OSD) diagnostics for link analysis, including spectrum analyser
- Internal AES128/256
- Optional IP interface board for IP streaming and network connection.



#### Specification:

<b>Input</b>	
Dual Diversity Antenna (lid)	TNC
Optional external antennae input	TNC
AC Supply	IEC
12-24V Input	4 Pin Locking
<b>Output</b>	
Video BNC	BNC
Audio 1	XLR
Audio 2	XLR
Data	Dtype
Headphone	Jack Socket
<b>RF</b>	
Frequency Bands	2280 to 2550MHz or 1100 to 1400MHz (others on request)
Tuning Steps	250KHz
<b>Modulation</b>	
DVB-T bandwidth	8/7/6MHz
DVB-T Guard	1/32, 1/16, 1/8, 1/4
DVB-T FEC	1/2, 2/3, 3/4, 5/6
DVB-T Modulation	QPSK, 16QAM, 64QAM
SOLO Bandwidth	2.5MHz (1.25MHz optional)
SOLO Guard	1/16, 1/8
SOLO FEC	1/3, 2/3
SOLO Modulation	QPSK 16QAM
Sensitivity	-95 to -105dB
<b>Video</b>	
Line Standard	PAL/NTSC
Resolution	704, 528, 480, 352
Coding Mode	MPEG2 (MPEG4 optional)
Delay	43ms to 120ms depending on mode
Frame Rate	Full/Half/Quarter/Eighth (selectable) <b>Physical</b>

<b>Audio</b>	
Output	Line Level
Sample Rate	32KHz, 16KHz, 8KHz
Bits per Sample	12 or 8 bit
<b>Data Interface</b>	
RS232 Data Output	1 K2 to 11 5K2 baud switchable
<b>Encryption</b>	
Format	ABS (standard) AES128/256 (optional)
<b>Control</b>	
Remote Control	RS232 Control from PC GUI Application
Local Control	Front Panel 4 channel select, OSD on/off, power level, power on/off
On Screen Display	Spectrum, RX SNR, RX Power
Dimension	L 320mm, W 240mm, H 150mm
Weight	5kg
<b>Power</b>	
AC input	110/240V
DC input	12V
Battery Back-up	Lightweight LiON
<b>Environment</b>	
Temperature Range	-10 to +50 deg C

Products are available to security users only, in licensed frequency bands. These products are not approved for use by unlicensed users. Commercial products are available to unlicensed users – please contact us for details.

**Product Code:** SOL4MIV-228255 SOL4MIV-1 10140 SOL4MIV-034037 SOL4MIV-058067 (2.5MHz TO MPEG4 1.25MHz UPGRADE ADD SOL4RXUP)

**ADLERTECH SYSTEMS PTE LTD**

56A KALLANG PUDDING ROAD #07-00. SINGAPORE 349329

Tel: (65) 6747 4636 Fax: (65) 6747 6919

EMAIL: sales@adlertechsystems.com