

# COFDM - VIDEO, AUDIO TELEMETRY & IP PRODUCTS

## SOLO - DIGITAL WIRELESS VIDEO SYSTEM

### SOLO- MULTIVUE RECEIVE CASE

The MultiVue is a briefcase receiver package for team- based tactical video surveillance operations. The MultiVue Case will simultaneously decode and display four separate digital video channels. This allows the operator of the MultiVue to observe and co-ordinate the activities of four separate team members operating in different locations. Typical applications include first responder and emergency teams. Equipped with dual diversity antennae inputs, the MultiVue ensures excellent video reception quality.

The MultiVue combines four SOLO Receivers with two diversity down-converters and two antennae into one rapidly deployable briefcase kit. A comprehensive push button and control interface is provided for receiver tuning. A colour monitor is mounted in the lid, and can be user-controlled to display a quad image, or any one of the four individual images. Video and audio outputs are provided at the rear of the unit for recording, while local audio monitoring is provided via headphone outputs. Power sources include AC operation; and DC operation. All cables are included.

The narrow bandwidth modulation offers unprecedented spectrum efficiency, while also increasing the system sensitivity and, therefore, range.

The MultiVue 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 optional AES128/256 bit encryption algorithms, subject to export controls.

#### Features:

- Four simultaneous video reception and viewing
- Comprehensive demodulation 8/7/6/2.5 and 1.25MHz (optional)
- Maximum ratio combining antenna diversity for fade and multipath elimination
- Lid mounted antennae
- Colour monitor in lid with quad or individual viewing
- AC or DC operation
- Comprehensive on screen display (OSD) diagnostics for link analysis, including spectrum analyser
- Internal AES128/256
- Optional 4-way diversity.



#### Specification:

<b>Input</b>		Output	Line Level
Dual Diversity Antenna (lid)	TNC	Sample Rate	32KHz, 16KHz, 8KHz
Optional external antennae input	TNC	Bits per Sample	12 or 8 bit
AC Supply	IEC	<b>Encryption</b>	
11-14V Input	4PinXLR	Format	AES128/256 (optional)
<b>Output</b>		<b>Control</b>	
Four Video	BNC	Local Control	By push button control interface
Eight Audio	Phone	On Screen Display	Spectrum, RX SNR, RX Power
Headphone	Jack Socket	<b>Physical</b>	
<b>RF</b>		Dimension	L 540mm, W 420mm, H 220mm
Frequency Bands	2280 to 2550MHz, 1100 to 1400MHz	Weight	Less than 10kg
	(others on request) Tuning Steps 250KHz	<b>Power</b>	
<b>Modulation</b>		AC input	110/240V
DVB-T bandwidth	8/7/6MHz	DC input	11-14V
DVB-T Guard	1/32, 1/16, 1/8, 1/4	<b>Environment</b>	
DVB-T FEC	1/2, 2/3, 3/4, 5/6	Temperature Range	-10 to +50 deg C
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>Audio</b>		

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:** SOLMUJ-228255 SOLMUJ-110140 (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