

D – SOLO MultiVue Receive Case



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

The MultiVue combines four D-SOLO Receivers with two diversity down-converters and two antenna into one rapidly deployable briefcase kit. A comprehensive touch screen interface is provided for user control. A color 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. The MultiVue capabilities can be extended with optional IP streaming, and optional Microwave relay retransmission. AC power input is provided at the rear of the unit. 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.

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 antenna
- ▷ Color monitor in lid with quad or individual viewing
- ▷ User touch screen control interface
- ▷ Optional IP streaming and microwave relay
- ▷ Comprehensive On Screen Display (OSD) diagnostics for link analysis, including spectrum analyzer
- ▷ Internal AES128/256.



MultiVue supplied in a briefcase kit ▷

FOR FURTHER INFORMATION, CALL DIGICOM, INC ON (02) 587-7744

D – SOLO MultiVue Receive Case



Specification

Input

| | |
|----------------------|-------------|
| Local Antenna Inputs | TNC |
| External UHF Inputs | TNC |
| RS232 Control | 9 Way D-sub |
| Ethernet | RJ45 |
| AC Supply | IEC |

Output

| | |
|----------------------|---------------|
| Four Composite Video | BNC |
| Four S-Video | 4 pin MiniDIN |
| Four Audio Pairs | 5 pin Lemo |
| Monitor Composite | BNC |
| Vide | 4 pin MiniDin |
| Monitor S-Video | Jack Socket |
| Headphone | Audio Socket |

Antenna

| | |
|---------------------|-----------|
| Lid Mounted Antenna | 2dbi Omni |
|---------------------|-----------|

RF

| | |
|-----------------|---|
| Frequency Bands | 2280 to 2550MHz, 1100 to 1400MHz, 575 to 675MHz, 340 to 470MHz, (others on request) |
| Tuning Steps | 250KHz |

Modulation

| | |
|-------------------|------------------------|
| DVB-T Bandwidth | 8/7/6MHz (optional) |
| DVB-T Guard | 1/32, 1/16, 1/8 |
| DVB-T FEC | 2/3, 5/6 |
| DVB-T Modulation | QPSK, 16QAM, 64QAM |
| Sensitivity | -95dB Plus |
| D-SOLO Bandwidth | 2.5/1.25MHz (optional) |
| D-SOLO Guard | 1/16, 1/8 |
| D-SOLO FEC | 1/3, 2/3 |
| D-SOLO Modulation | QPSK 16QAM |
| Sensitivity | -95 to -105dB |

Video

| | |
|---------------|-------------------------------------|
| Line Standard | PAL/NTSC |
| Resolution | 704, 528, 480, 352 |
| Coding Mode | MPEG2 or MPEG4 (optional) |
| Delay | 43ms to 1sec depending on mode |
| Frame Rate | Full/Half/Quarter/Eighth (optional) |

Audio

| | |
|-----------------|--------------------|
| Output | Line Level |
| Sample Rate | 32KHz, 16KHz, 8KHz |
| Bits per Sample | 12 or 8 bit |

Encryption

| | |
|--------|-----------------------|
| Format | AES128/256 (optional) |
|--------|-----------------------|

Control

| | |
|------------------------------|-----------------------------------|
| Local Control | By touch screen control interface |
| Local Control | Via RS232 Control Port |
| Remote Control Over Ethernet | Via RJ45 Ethernet Port |
| On Screen Display | Spectrum, RX SNR, RX Power |

Physical

| | |
|-----------|---------------------------|
| Dimension | L 540mm, W 420mm, H 220mm |
| Weight | Less than 12kg |

Power

| | |
|-------------------|------------|
| AC Input | 110/240V |
| Power Consumption | Approx 75W |

Environment

| | |
|-------------------|------------------|
| Temperature Range | -10 to +50 deg C |
|-------------------|------------------|

Accessories Supplied

| |
|--|
| 1 x Null Cable |
| 2 x Down-converter RX TNC Cable 10m |
| 1 x CRX Data Breakout Cable |
| Audio and Video Cables available on request. |



FOR FURTHER INFORMATION, CALL DIGICOM, INC ON (02) 587-7744