

SOL8MUV

MultiVue 4 Channel HD Receiver Case

Overview:

The SOLO8 MultiVue is a deployable receiver package, with DTC technology at its core, for team-based tactical video surveillance operations. It will simultaneously display four separate SD or HD digital video channels on the full HD display, allowing its operator to observe activities in four different locations or four views of one location. Typical applications include tactical surveillance teams and first responder emergency teams.

Equipped with internal dual diversity antenna inputs, the SOLO8 MultiVue ensures excellent video reception quality. Video and audio outputs are provided at the rear of the unit for external viewing or recording, with local audio monitoring via integral speakers or headphone outputs. Integrated PTZ control of SOL8SDR transmitters and direct control of cameras using the SOL8TELTRX Telemetry module.

Features and Benefits:

- Four simultaneous SD/HD video reception and viewing
- Comprehensive demodulation 8/7/6 DVB-T
- Narrowband, 2.5MHz*, 1.25MHz*, 625kHz* (optional)
- Simultaneous reception of four DVBT or four Narrowband*
- Simultaneous reception of two DVBT and two Narrowband*
- Maximum ratio combining antenna diversity
- Lid mounted fold-out antennae with internal downconverters
- External option for quad diversity or second frequency range
- 15.6" full HD monitor with quad split or single video viewing
- Internal speakers or headphone socket for audio monitoring
- Tilting user touch screen control interface
- 500GB SSD for internal recording
- IP streaming and IP hardware decoding
- Comprehensive on-screen display (OSD) diagnostics
- Integral joystick and zoom for control of PTZ camera
- Telemetry 100mW transmitter for multiple cameras
- Camera position pre-set storage
- Multiple PTZ protocols supported



Product Information:

Product Includes

AP009029	Tri-band telemetry antenna 144/430/900MHz SMA
CA2766	MultiVue AC PSU
CA2787	4-pole XLR to banana plugs DC power cable, 3m
MW3835	Cable storage bag

Accessory Options (sold separately)

CA0067	Audio out cable, Lemo to RCA (requires 4)
AP000481	UK Power Lead for CA2766
AP001483	US Power Lead for CA2766
AP004634	EU Power Lead for CA2766
AP007192	AU Power Lead for CA2766
DCB/DCBGS	Downconverters - various bands available
Antennas	Various frequencies available

Related Documents

Resource ID 100250	SOLO8 MultiVue Receiver User Guide
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Technical Specification:

Inputs

Local antenna	TNC x 2
External IF	TNC x 2
Telemetry	SMA
Ethernet	RJ45
DC supply	4-pin XLR
USB	Type-A x 3

Outputs

CBVS/SDI/HD-SDI video	BNC x 4
Analogue audio	5-pin Lemo x 4
HDMI	HDMI x 4
ASI out	BNC x 2
ASI in	BNC x 2
Headphone	3.5mm jack
RS232 Data	9-pin D-type x 2

RF

Receive IF	50 to 850MHz
Tuning steps	125 kHz
LNB power	9V 500mA

Modulation

DVB-T bandwidth	8/7/6MHz
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
SOLO bandwidth	2.5/1.25MHz/625kHz
SOLO guard	1/16, 1/8
SOLO FEC	1/3, 2/3
SOLO modulation	QPSK 16QAM
Sensitivity	-95dB to -104dB

PTZ Telemetry

Frequency band	433MHz ISM band (433.05-434.79MHz) *868MHz ISM band 915MHz ISM band (902-928MHz)
Power output	20dBm
Joystick	Analogue pan-tilt-zoom Additional controls on touchscreen

Video

SD line standard	PAL/NTSC
SD resolution	704, 528, 480, 352
HD formats	1920x1080i 60/59.94/50Hz 1920x1080p 30/29.97/25/24/23.97Hz 1280x720p 60/59.94/50Hz
Coding mode	H.264 SD/HD 4:2:0/4:2:2 MPEG2 SD/HD 4:2:0/4:2:2 MPEG-4 Part 2 ASP (DTC proprietary)
Delay	60ms to 1sec depending on mode
Frame rate	Full/half/quarter/eighth
Internal screen resolution	1920x1080 selectable 50/59/60Hz

Audio

Sample rate	32kHz, 16kHz, 8kHz
Format	Linear or MPEG L1/L2 48kHz 64-384kb/s
Bits per sample	12-bit or 8-bit

Data Interface

RS232 data output	1K2 to 115K2 baud switchable
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Control

Local control	Touchscreen
Remote control	Ethernet
Recording	Internal 500GB HDD
Video recordings	Access over Ethernet via FTP
On-screen display	Spectrum, RX SNR, RX power

DVR Specification

500GB SSD (not removable)

Encryption

Standard	ABS
Licensed	AES128/AES256 (subject to export control)

Power

DC input	10-32V
Power consumption	200W approx.

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Technical Specification (con't):

Physical

Dimension	540mm (L), 420mm (W), 220mm (H)
Weight	21kg

Environment

Temperature range	-10°C to +50°C
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Frequency

*100150-043	1.00-1.50GHz RF, 433MHz Telemetry
175238-433	1.75-2.38GHz RF, 433MHz Telemetry
175238-091	1.75-2.38GHz RF, 915MHz Telemetry
203255-043	2.03-2.55GHz RF, 433MHz Telemetry
*203255-091	2.03-2.55GHz RF, 915MHz Telemetry
*440500-091	4.04-5.00GHz RF, 915MHz Telemetry

Software License Code

Silver (included)	DVB-T, H.264 SD, IP Streaming, Recording
Gold	Silver plus Narrowband 1.25MHz & 2.5MHz, H.264 HD, SDI Ancillary Data
Platinum	Gold plus Ultra Extreme Narrowband 625kHz, Ultra Mobile Video Link (UMVL)
AES128MUV	AES 128-Bit Decryption
AES256MUV	AES 256-Bit and AES 128-Bit Decryption

* Future development available on request

Export of encrypted products is subject to United Kingdom regulatory export controls.

For further information contact your Sales Account Manager, one of our Regional Sales Offices, or email solent.enquiries@domotactical.com

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