

Robust NanoVue Receiver SOL4NNVR-

COFDM – Video, Audio Telemetry and IP Products

COBHAM

September 2011 Data Sheet

The most important thing we build is trust



The domo Robust NanoVue Receiver SOLNNVR is a fully portable digital diversity receiver. The SOLNNVR incorporates a high resolution daylight viewable video screen with digital diversity receiver, antennas and clip-on batteries into a robust and compact lightweight housing.

It is ideal for use as a tactical receiver in demanding body worn applications. The SOLNNVR is designed to be water, shock and vibration resistant.

The SOLNNVR is programmed through a PC application, and is then controlled through a simple single button interface.

The SOLNNVR is powered from interchangeable battery packs each pack offering greater than 2 hours of continuous use. Impending loss of battery life is indicated on the front panel LED.



The product can be supplied with an optional six way or 2 way battery charger.

The SOLNNVR has a comprehensive on screen display diagnostic capability to show link quality, enabling users to optimise transmission performance.

Video output and ethernet output are available on side connectors.

SOLNNVR is ideal for tactical mobile situations providing decision makers with real time video feedback.

SOLNNVR is supplied in a Peli case kit form with cables and antennas.

Features

- Fully featured 8/7/6/2.5/1.25 MHz demodulation
- Maximum ratio combining antenna diversity
- High resolution 4.3" display
- Single button operation
- Interchangeable battery pack
- >2 hours battery life
- Robust shock and water proof housing
- Supplied with antennas (as shown)

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Specification

Inputs

RF Input from Antenna 1	QMA Female 50 Ohm
RF Input from Antenna 2	QMA Female 50 Ohm
Control	Binder 620
Ethernet Control	Binder 620

Outputs

Composite Video	Binder 620
Headphone Audio Out	3.5 mm Headphone Jack

RF

Frequency Bands	1.0 to 1.50 GHz 1.65 to 2.38 GHz 2.17 to 2.50 GHz 4.4 to 5.00 GHz
Tuning Step Size	250 kHz

Control

Local	PC Application and button
Remote	Ethernet

Dimensions

150 * 100 * 37.15mm,
400g

DC Input

6V to 16V, 9W consumed

Battery

Plalite NSN6140-99-338-5027

Operating Temperature

-20 to +50 Deg C

Modulation

DVB-T Bandwidth	8/7/6 MHz
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
DVB-T Sensitivity	-95 dBm

Narrow Band Bandwidth	2.5 / 1.25 MHz
Narrow Band Guard	1/8, 1/16
Narrow Band FEC	1/3, 2/3
Narrow Band Modulation	QPSK, 16QAM
Narrow Band Sensitivity	-95 to -104 dBm

Video

Line Standard	PAL / NTSC
Resolution	704, 528, 480, 352
Coding Mode	MPEG2, MPEG4
Delay	80 ms
Screen	480*272 pixels

Audio

Output	Line Level
Sample Rate	48 kHz
Format	MPEG Audio 384 to 64kb/s

Product Code

SOL4NNVR-100150	Robust Nanovue 1.0-1.5GHz
SOL4NNVR-165238	Robust Nanovue 1.65-2.38GHz
SOL4NNVR-217250	Robust Nanovue 2.17-2.5GHz
SOL4NNVR-440500	Robust Nanovue 4.4-5.0GHz

Product Code Includes

- 1 * Control/Ethernet Cable
- 1 * Video/Audio Out Cable
- 1 * Plalite Batteries
- 2 Low Gain Omni Antennas (Antenna gain 1-2dBi depending on frequency)

Accessory Options

NNVRBATCH-2	Two way battery charger
NNVRBATCH-6	Six way battery charger
AP-2214	Plalite Battery (Single Cell)

Licensing Options

NETNNVIPUP	Recording & Streaming upgrade
RX-UN	Upgrade to MPEG4 Ultra-Narrowband 1.25 MHz
RX-UXN	Upgrade to MPEG4 Ultra Extreme Narrowband 625 KHz

For further information please contact:

Cobham Tactical Communications and Surveillance

The Cobham Centre – Solent, Fusion 2
1100 Parkway
Solent Business Park
Whiteley
Hampshire, PO15 7AB
England

T: +44 (0)1489 566 750
F: +44 (0)1489 880 538
css.sales@cobham.com

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