

# SOL8NNVHDR

## SOL08 NanoVue HD Robust Receiver

### Overview:

The SOL8NNVHDR is a fully portable digital diversity receiver, which incorporates a high resolution scratch resistant daylight viewable video screen, an antenna diversity pair and a battery.

This is all housed in a compact robust waterproof enclosure. The SOL8NNVHDR can be powered from its mains adaptor or from the integral battery, which provides up to three hours of power and can be recharged using the charger supplied in the kit.

The SOL8NNVHDR incorporates DTC's SOL8SDR "Software Defined Radio" technology. As such it can be configured as a Mesh Transceiver, able to operate with other SDR and NETNode Mesh radios in order to allow effective IP video delivery to multiple destinations.

Alternatively, the SOL8NNVHDR can be configured as a traditional unidirectional COFDM receiver. In this configuration, remote control is provided by a separate narrowband telemetry link.

The on-screen display provides the viewer with vital information such as the status of the RF link and battery levels in both the SOL8NNVHDR and the transmitter.

A magnetic joystick and button interface allows the user to control the device's parameters and also control camera & transmitter settings via the bi-directional telemetry option.

The preset receive channels are programmed using the supporting PC application and the lead included in the kit.

The unit also incorporates an adjustable screen brightness control so as to allow viewing in differing daylight levels and an ultra dim night setting for covert operations.

There is the option to record the live video stream to an integral 128GB SD memory card.

Security of the link is ensured through the use of optional AES128 or AES256 decryption.



### Features and Benefits:

- Digital video receiver
- Configurable receive method
- DTC COFDM capable
- DTC Mesh capable
- High resolution display
- On-screen display
- Bi-directional telemetry option
- Recording storage option
- Headphone jack
- PC configurable
- AES128/256 decryption (option)
- IP68 rated
- Scratch resistant glass
- Robust build for tactical operations

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### Product Information:

#### Product Includes

TM RX receiver	1
Dual li-ion battery charger	1
Li-ion battery pack (4S1P)	2
COFDM antenna	2
Telemetry antenna	1
Fischer CAT 5 cable	1
Power supply AC/DC 15V 4.3A	1
PSU 12V 5A	1
IEC C7 power cord	1
IEC to UK power cord	1

### Technical Specification:

#### Display

Screen type	High definition
Screen size	6"
Screen resolution	1920 x 1080
Screen coating	Anti-reflective
Glass type	Scratch resistant

#### RF/Telemetry

RF frequency	L-band, S-band
RF type	DTC COFDM DTC COFDM Mesh
RX antennas	Dual diversity
Telemetry	Bi-directional
Telemetry frequency (optional)	433MHz or 915MHz

#### Video/Audio

Video interface	HDMI
Video decoding	H.264 and MJPEG
Audio decoding	G711, G726
Audio output	3.5mm headphone jack

#### Other

Control interface	Waterproof joystick & buttons
Streaming protocol	RTSP over TCP or UDP
Decryption	AES128, AES256 (optional)
Alerts	Silent vibration
Configuration interface	RS232 & TCP/IP
GPS positioning option	Displays TX to RX position delta
Recorder storage option	128GB micro SD card

#### Power

Input voltage	6VDC to 16VDC
Battery capacity	Lithium ion 3.35Ah
Run time	Up to three hours

#### Physical

Dimensions	100mm (L), 190mm (W), 40mm (D)
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#### Environment

Temperature	-20°C to +60°C
IP rating	IP68

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### Technical Specification (cont.):

#### Frequency

039091	320-470MHz, 902-928MHz Telemetry
132043	1.14-1.50GHz, 433.05-434.79MHz Telemetry
201043	1.67-2.35GHz, 433.05-434.79MHz Telemetry
201091	1.67-2.35GHz, 902-928MHz Telemetry
234043	1.98-2.70GHz, 433.05-434.79MHz Telemetry
234091	1.98-2.70GHz, 902-928MHz Telemetry
470043	4.40-5.00GHz, 433.05-434.79MHz Telemetry
470091	4.40-5.00GHz, 902-928MHz Telemetry
575091	5.50-6.00GHz, 902-928MHz Telemetry

#### Software License Code

SDRAPP-RX*	SDR Application Receiver
SDRAPP-MESH*	SDR Application IP Mesh NETNode
SDRAPP-IAS*	Interference Avoidance Scheme
AES128RX	AES 128-bit Decryption License
AES256RX	AES 256-bit Decryption License

\* Refer to separate datasheets for SDRAPP requirements

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](mailto:solent.enquiries@domotactical.com)

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