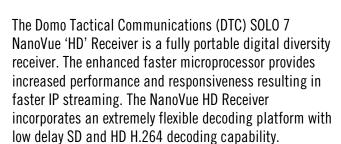
SOLO7 NanoVue 'HD' Receiver

COFDM — Video, Audio Telemetry and IP Products

April 2016 Data Sheet







The NanoVue 'HD' receiver incorporates a high resolution daylight viewable video touch screen with digital diversity receiver, antennas with optional clip-on battery in a proven, durable and compact lightweight housing.

It is ideal for use as a confidence or monitoring receiver for tactical use, or for surveillance on the move, perimeter security and fire control.

Control is achieved through a touch screen interface or by connecting the unit to an IP network using the Ethernet interface provided. Rapid configuration in the field is supported via the DTC Field Controller (FCON).

The product can be supplied with an optional external rechargeable battery pack for rapid interchange, which provides at least four hours continuous use battery life. It can also run from an external DC supply.



The product has comprehensive on screen display diagnostic capability to show link quality, enabling users to optimise transmission performance. The touch screen allows the user to switch channels and perform basic configuration like frequency selection without the need for connection to a PC. Recording to SD card (SD Narrowband only) is also controlled via the touch screen.

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

Features

- Small size: 130 x 80 x 32 mm (unit only)
- H.264, MPEG-4 ASP and MPEG-2 decoding in one unit
- Low power
- Fully featured 8/7/6/2.5/1.25*/0.625* MHz demodulation
- Maximum ratio combining antenna diversity
- IP video streaming (RTSP and UDP) *
- Internal recording to 32GB SD card *
- Ethernet control
- High Definition 5" display 800x 480 res.
- Easy to use touch screen
- Optional clip-on 4 hour battery pack with internal charger circuit

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Specification

Inputs

RF Input from ANT 1 SMA Female 50 Ohm RF Input from ANT 2 SMA Female 50 Ohm

Power Lemo

Outputs

S-video, RS232 Data Hirose

Stereo Line Level Audio and Composite Video Lemo Headphone Audio Out 3.5 mm Headphone Jack

Ethernet control/streaming Lemo

RF

Frequency Bands 340 to 470 MHz

1.00 to 1.50 GHz 1.65 to 2.38 GHz 2.17 to 2.50 GHz 3.10 to 3.70 GHz 4.40 to 5.00 GHz 5.50 to 5.95 GHz

Tuning Step Size 250 kHz

Control

Local Touch Screen Interface &

Field Controller (FCON)

Remote Ethernet

Physical

Size 130x80x32mm

Weight 493g

Temperature -10 to +45 °C

DC Input 6V to 16V, 9W consumed

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

DTC - Solent Fusion 2,1100 Parl

Fusion 2,1100 Parkway 3845 Gateway Center Blvd Ste 360 Whiteley, Hampshire Pinellas Park

DTC - Tampa

PO15 7AB, UK FL 33782, USA **T: +44 1489 566 750 T: +1 727 471 6900**

DVB-T Sensitivity -95 dBm

Narrowband Bandwidth 2.5 / 1.25* / 0.625* MHz

Narrowband Guard 1/8, 1/16 Narrowband FEC 1/3, 2/3 Narrowband Modulation QPSK, 16QAM Narrowband Sensitivity -95 to -104 dBm

Video

Line Standard PAL / NTSC

Resolution H.264 SD 704, 528, 480, 352 Resolution (HD) 1920*1080i @30/29.97/25

1280*720p @60/59.94/50

Coding Mode H.264 SD/HD 4:2:0

MPEG2 SD 4:2:2 or 4:2:0

Video latency 80ms typical Screen 480x272 pixels

Audio

Output Line Level Sample Rate 48 kHz

Format MPEG Audio 384 to 64kb/s

Product Codes:

Please see configurator table on the following page.

Products are available to security users in licensed frequency bands. Encryption licences are subject to export control. These products are not approved for use by unlicensed users. Commercial products are available if used in appropriate licensed frequency bands.

 DTC - Randers
 DTC - Brazil

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 Av. das Nações Unidas

 DK-8960
 12551- 17ºandar - Sala 1725

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SOLO7 NanoVue 'HD' Receiver

COFDM - Video, Audio Telemetry and IP Products

Family: Receiver

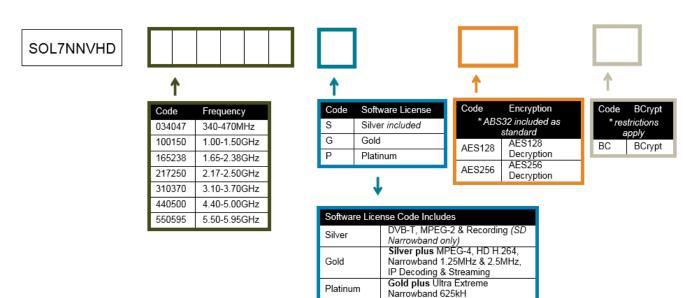
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Export of Encrypted Products is Subject to United Kingdom Regulatory Export Controls

DTC Sales Code

Please enter required codes



Product Code Includes	
CA0002	12V Power Cable
CA0122	AV Cable BNC/Phono
CA0063	3 rd gen Control Cable
CA0505	Ethernet Cable
CA2396	BNC to SDI Cable
2 Low Gain Omni Antennas (dBi & frequency bands vary)	

ı	Companible Froducts (sold separately)	
ı	SOL4MTX	Transmitter
ı	SOL5TX	Transmitter
ı	SOL7NTX	Transmitter
ı	SOL4DCAM	DropCam Transmitter

Related Accessories	Related Accessories (sold separately)		
NNVBAT	Clip-on Battery Pack & Charger		
AP006673	AU Power Lead for Battery Charger		
AP004634	EU Power Lead for Battery Charger		
AP000481	UK Power Lead for Battery Charger		
AP001483	US Power Lead for Battery Charger		
NNVNCS	Night Vision Clip-on Screen		
FCON	Field Controller		

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Product: SOLO7

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