

## SOL7NNVHD

### SOL07 NanoVue HD Receiver

#### Overview:

The DTC SOLO 7 NanoVue HD Receiver is a fully portable digital diversity receiver. The enhanced faster microprocessor provides increased performance and responsiveness resulting in faster IP streaming. The NanoVue HD Receiver incorporates an extremely flexible decoding platform with low delay SD and HD H.264 decoding capability.

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.

The NanoVue HD is ideal for use as a confidence or monitoring receiver for tactical use, or for surveillance on the move, perimeter security and fire control, as well as providing decision makers with real time video feedback in tactical mobile situations.



#### Features and Benefits:

- Small size: 130 x 80 x 32 mm (unit only)
- H.264, MPEG-4 ASP and MPEG-2 decoding in one unit
- Fully featured 8/7/6/2.5/\*1.25/\*0.625MHz demodulation
- Maximum ratio combining antenna diversity
- \*IP video streaming (RTSP and UDP)
- \*Internal recording to 32GB SD card
- Ethernet control
- High Definition 5" display 800x480 resolution
- Easy to use touch screen
- Optional clip-on battery pack with internal charger circuit

\*Licensed feature

#### Product Information:

##### Product Includes

CA0002	Power lead 3m
CA0063	Control cable
CA0122	AV cable Lemo to BNC/phono
CA0505	NanoVue Ethernet cable 3m
CA2396	BNC female to DIN 1.0/2.3 RG179 cable
Antenna x 2	Low gain omni antennas to match frequency variant (not supplied with UHF variant)

##### Accessory Options (sold separately)

CA0023	Standard 12V power block
AP000481	UK mains power lead for PSU
AP001483	US mains power lead for PSU
AP004634	EU mains power lead for PSU
AP007192	AU mains power lead for PSU
NNVBAT	Clip-on battery pack and charger
FCON	Field Controller
# SOL7NNVHDK-xxxxxx	Solo7 NanoVue HD Receiver Kit (where xxxxxx denotes frequency range)

# See separate datasheet

##### Related Documents

100172	SOL07 NanoVue HD Receiver User Guide
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# SOL7NNVHD

## SOL07 NanoVue HD Receiver

### Technical Specification:

#### Inputs

RF input from ANT 1	SMA female 50Ω
RF input from ANT 2	SMA female 50Ω
Power	Lemo

#### Outputs

S-video, RS232 data	Hirose
Stereo line level audio & composite video	Lemo
Headphone audio out	3.5mm headphone jack
Ethernet	Lemo
HD-SDI	DIN

#### Control

Local	Touch screen Field Controller (FCON)
Remote	Ethernet

#### Modulation

DVB-T bandwidth	8/7/6MHz
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	-95dBm
Narrowband bandwidth	2.5MHz/*1.25MHz/*0.625MHz
Narrowband guard	1/8, 1/16
Narrowband FEC	1/3, 2/3
Narrowband modulation	QPSK, 16QAM
Narrowband sensitivity	-95dBm to -104dBm

#### Video

Line standard	PAL/NTSC
Resolution	H.264 SD 704, 528, 480, 352
Resolution (HD)	1920x1080i @ 60/59.94/50 1920x1080p @ 60/59.94/50/30/29.97/25/ 24/23.98 1920x1080psF @ 60/59.94/50/30/29.97/25/ 24/23.98 1280x720p @ 60/59.94/50
Coding mode	H.264 SD/HD *4:2:2 or 4:2:0 MPEG2 SD/HD *4:2:2 or 4:2:0 MPEG4 Part 2 ASP (DTC proprietary)
Video latency	80ms typically
Screen	800 x 480 pixels

#### Audio

AV	Consumer line level
Headphone	Headphone level

#### RF

Tuning step size	250kHz
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#### Ratings

DC input	6V - 16V
Power consumption	12W

#### Physical

Size	130mm x 80mm x 32mm
Weight	493g
Operating temperature range	-10°C to +45°C

\*Licensed feature

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## SOL07 NanoVue HD Receiver

### Technical Specification (con't):

#### Frequency

015085	150-850MHz
100150	1.00-1.50GHz
165238	1.65-2.40GHz
217250	2.17-2.50GHz
310370	3.10-3.70GHz
440500	4.40-5.00GHz
550595	5.50-5.95GHz

#### Software License Code

Silver (included)	DVB-T, MPEG2 (inc. HD), H.264 (inc. HD)
Gold	Narrowband 2.5MHz & 1.25MHz, MPEG-4, IP Decoding, Recording & Streaming (SD/ Narrowband Recording Only)
Platinum	Ultra-Extreme Narrowband 625kHz
AES128RX	AES Receiver 128 bit decryption
AES256RX	AES Receiver 256 bit decryption

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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