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

Related Documents
100172 SOLO7 NanoVue HD Receiver User Guide
100208 SOLO7 NanoVue HD Recording Dongle User Guide
**SOLO7 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**: 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
- **Coding mode**: H.264 SD/HD *4:2:2 or 4:2:0
- **Narrowband modulation**: QPSK, 16QAM
- **Narrowband sensitivity**: -95dBm to -104dBm
- **Screen**: 800 x 480 pixels

### Audio
- **AV**: Consumer line level
- **Headphone**: Headphone level

### RF
- **Tuning step size**: 250kHz

### 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*
March 2019

**SOL7NNVHD**

**SOL07 NanoVue HD Receiver**

**Technical Specification (cont’):**

**Frequency**

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Range</th>
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<tbody>
<tr>
<td>034047</td>
<td>340 - 470MHz</td>
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<tr>
<td>100150</td>
<td>1.00 - 1.50GHz</td>
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<tr>
<td>165238</td>
<td>1.65 - 2.40GHz</td>
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<tr>
<td>217250</td>
<td>2.17 - 2.50GHz</td>
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<tr>
<td>310370</td>
<td>3.10 - 3.70GHz</td>
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<td>440500</td>
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<td>550595</td>
<td>5.50 - 5.95GHz</td>
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**Software License Code**

<table>
<thead>
<tr>
<th>License Code</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>Silver (included)</td>
<td>DVB-T, MPEG2 (inc. HD), H.264 (inc. HD)</td>
</tr>
<tr>
<td>Gold</td>
<td>Narrowband 2.5MHz &amp; 1.25MHz, MPEG-4, IP Decoding, Recording &amp; Streaming (SD/ Narrowband Recording Only)</td>
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<tr>
<td>Platinum</td>
<td>Ultra-Extreme Narrowband 625kHz</td>
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<tr>
<td><strong>AES128RX</strong></td>
<td>AES Receiver 128 bit decryption</td>
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<tr>
<td><strong>AES256RX</strong></td>
<td>AES Receiver 256 bit decryption</td>
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</table>

**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