

HHT3

Handheld Receiver

The Handheld Receiver has a carbon fibre, rugged, lightweight construction. It's 12" ultra-bright daylight HD screen makes it ideal for reception of airborne downlinks, surveillance and On-Board wireless cameras. The unit decodes MPEG2 and H.264/MPEG4 video.



Key Features

- Optional built-in UHF data transmitter for remote control of Vislink On-Board systems
- Wide screen 16x9 and 4x3 switchable 12" LED, sun light readable screen
- Digital & analogue video and audio, and HDMI outputs
- Built-in 2-channel audio loud speakers
- Optional built-in SD card recording module
- DVB-T or ISDB-T demodulation options
- HDMI output
- On-screen menu display

Typical Applications

- Surveillance & Public Safety
- Sports Coverage
- On-board Setup

Frequency Bands

- 1.3 to 10GHz in bands*

*Other frequency bands are available to special order.

Frequency Selection

- Up to 16 pre-set channels, or tuning in 1MHz steps via front panel control

Decryption

- BISS 1 and E, or AES256 (option)

Tuning Range

- 400 MHz nominal (modulation dependent, consult factory)
- 1.95 GHz to 2.7 GHz option

ASI Output

- 1 x DVB ASI, 188-byte output

Decoding

- 4.2.0 and 4.2.2 broadcast quality video
- Factory options:
 - MPEG-2
 - H.264/MPEG-4 and MPEG-2, with automatic selection

Demodulation

- DVB-T 2k
- ISDB-T 2k with time interleaving 110/220/440ms (option)

Demodulation Modes

- QPSK, 16QAM, 64QAM
- FEC:
 - 1/2, 2/3, 3/4, 5/6, 7/8
- Guard interval:
 - 1/32, 1/16, 1/8, 1/4

Audio Outputs

- Digital:
 - 2 stereo SDI embedded
- HDMI
- Analogue:
 - 4 x mono/2 x stereo

Audio Loudspeakers

- 2 x 1.5 Watt audio

Video Outputs

- Analogue Composite (CVBS), YUV and Y/C component
- SDI HD SMPTE-292M (299M)
- SDI SD SMPTE-259M (272M)
- HDMI

Video Screen

- 12", LED, HD/SD, 16x9 plus 4x3 pillar box, daylight bright

User Data Output

- Selectable in the range 1,200 to 230,400 baud

Latency

- Automatic selection down to 1 frame (40 ms), transmitter encoding profile dependant

Data Rate

- 4.98 to 31.7 Mbit/s

Bandwidth

DVB-T:

- 6, 7, 8 MHz

ISDB-T:

- 6, 7 MHz

Monitoring

- Comprehensive control and monitoring on Full Colour front LED screen
- Demodulator parameters
- RF Received signal level (dBm and bar graph)
- C/N, MER, BER (dB and bar graph)
- Summary front panel alarm/comprehensive internal lock alarms

Noise Figure & Receiver Threshold

- Noise figure: 3dB typical, 4dB max.
- Receiver threshold:
 - 92dBm to BER 10E-5 (nom. QPSK)

Remote Control

- Comprehensive remote control and monitoring via Ethernet port web browser interface

Software Upgrade

- USB port

Power Supply

- 12-18 V DC

Physical

Size:

- 220 mm (H) x 400 mm (W) x 72 mm (D)

Weight:

- 3.2 kg (7 lbs)

Environmental

Safe use:

- -20°C to +50°C (-4°F to 122°F)

To spec:

- -10°C to +45°C (14°F to 113°F)

Altitude:

- 4500 m

Humidity:

- 95% long term