

## MTV-HD3 TX

### HD/SD Compact Digital Transmitter *Airborne Specification*

A compact, multi role digital microwave transmitter for use in harsh RF environments, where size and weight combined with broadcast performance is important. Particularly suitable for use as an aircraft downlink transmitter in broadcast, security and other specialist applications. Forms part of the Vislink airborne downlink system.



#### Key Features

- MPEG-4/H.264
- Compatible with HRCP remote control panel
- Video plus two audios
- User data channel

#### Typical Applications

- Event Coverage
- Newsgathering
- Sports Coverage
- Airborne Operations
- Maritime Reconnaissance

**Video Input**

- SDI SMPTE 259M
- HDSDI SMPTE 292M (50i)
- 3GSDI SMPTE 424M (50p)

**Encoding**

- 4.2.0 and 4.2.2 broadcast quality video
- MPEG-4/H.264

**Latency**

- Selectable down to <1 frame (20ms)

**Frequency Band**

- 3.10 to 3.50GHz
- 1.95 to 2.7GHz (option)
- 4.8 to 5.1GHz (option)
- Pre Distortion correction

**Tuning Range**

- Generally 500 to 700MHz (frequency dependent)

**Frequency Selection**

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

**Transmit Power**

- 100mW Nominal

**Digital Inputs**

- SDI/HD SDI 1.5 and 3.0Gbps
- ASI
- User Data

**Digital Outputs**

- ASI

**Analogue Inputs**

- CVBS/YC, YUV

**Audio**

- 2 Channel Analogue / +5v Phantom / Mic Line Switching / Internal tones

**Input Impedance**

- May be set to either 600 Ohms or high impedance

**Modulation Modes**

- DVB-T

**Bandwidth**

- 6MHz

**Monitoring**

- Ethernet port.

**Encryption**

- Proprietary AES256

**User Data**

- 1,200 - 115,200 baud

**Power**

- 10-28V DC (30W Maximum)

**Size**

- 70mm high x 179 wide x 143 deep

**Weight**

- 1.5kg

**Environmental**

- Safe use : -20 to +50°C
- To spec : -10 to +45°C
- Altitude : 4500m
- Humidity : 95% Long Term
- RTCA DO-160, ED-14 Specification
- Compliance to ETSI EN 300 113-1 V1.6.1 and FCC Parts 15 & 90

