

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)
- 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

