

## MNTX

### UAV Downlink Transmitter

The MNTX is ideally suited to UAV and mini on-board applications, where ultra-high quality video coupled with ultra-low latency features are a must. The MNTX shares its modulation and video encoding platform with the Vislink premium wireless camera range.



## Key Features

- Ultra-low delay transmitter.
- Designed for UAV applications.
- Ultra-low delay, down to 20ms H.264, when used with Vislink receivers.
- Video bit rates up to 39Mbit/s.
- Linear distortion pre-correction of COFDM RF carrier for improved spectral re-growth and co-channel performance.
- Full configuration available via Windows™ PC software.
- Supports 1080p for effective UHD upscaling.

## Typical Applications

- Surveillance
- Event Coverage
- Sports Coverage

### Frequency Bands

- 1.9 - 2.7GHz\* , \*\*\*
- 3.3 - 3.7GHz\*\* , \*\*\*
- 4.2 - 4.5GHz\*\*
- 4.5 - 4.9GHz\*\*
- 5.4 - 6.0GHz\*\*
- 6.4 - 7.2GHz\*\*
- 6.8 - 7.5GHz\*\*

\*100/200mW, \*\*100mW, \*\*\*Pre-distortion correction

### Modulation 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

### Modulation

- COFDM DVB-T 2K or switchable LMS-T (factory licenced option)

### GOP & PIDs

- GOP Selectable 4 to 30
- PIDs user configurable

### Video Input

- HD-SDI, 1080i, 1080p, 720p, 50/54.94
- HDMI type "C" connector 1.4a.

### Monitoring and Control

- Comprehensive transmitter setup via Windows™ PC software

### Frequency Selection

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

### Bandwidth

- DVB-T 6, 7, 8MHz switchable
- LMS-T scalable 3 to 20MHz (factory option)

### Audio Input

- Embedded audio support only
- Audio encoding rate selectable 128, 256, 384kBit/s

### Power Supply

- 12 - 16V DC, 18 Watts, includes external DC input

### Transmit Power

- User selectable 10mW/50mW/100mW\*

\*200mW (subject to frequency)

### Transmit Antenna

- Various options available. Please contact us for assistance.

### Data Rate

- DVB-T 4.98 to 31.7Mbit/s
- LMS-T up to 39Mbit/s, bandwidth dependant (factory option)

### Environmental

- -20° to +50°C
- Altitude: 4500m
- Humidity: 95% long term

### Encoding

- H.264/MPEG-4, level 4.1 video.
- Profile 4.2.0/4.2.2 selectable
- Audio MPEG-1 layer 2/layer 1 selectable

### Latency

- Selectable down to less than 1 frame, 20ms

### Weight

- 415g

### Dimensions

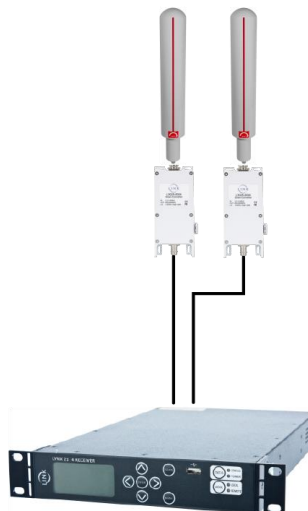
- 129mm (L) x 98mm (W) x 42mm (H)



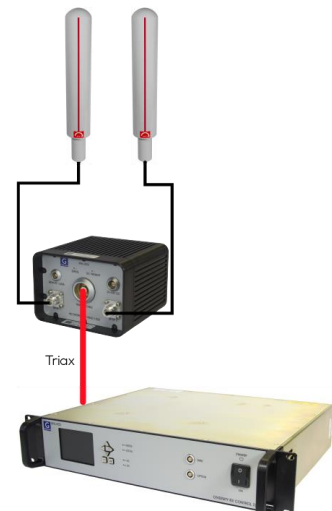
MTV HD3 Portable Receiver



Handheld Portable Receiver



L2174 Series 2- or 4-way Diversity Receiver



MVL HDR Series 2- or 4-way Dual RF Head, Single Triax

Typical MNTX application and receiver options