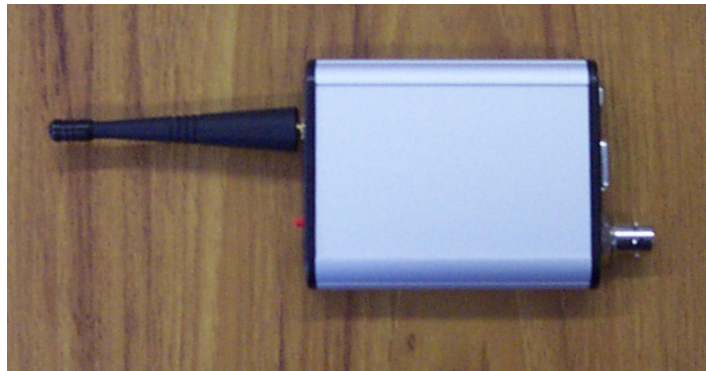


COFDM Mini-TX

This module implements MPEG2 video / audio coding and COFDM modulation in a 9x7cm aluminium case. The module also incorporates a power amplifier from 50 to 200mW.



COFDM Subsystem

Standard: DVB-T to EN300-744.
Channel bandwidths: 5,6MHz
Non standard narrow band operation
down to 2MHz.
FFT size: 2K.
Encryption: Available as an option.

Video Coding

MPEG2 Main Profile @ Main Level,
I,P and B frames supported.
Bit rate: 1.5-5 Mbit/s, depending on
modulation parameters.

Video Interfaces

Composite PAL/NTSC,
Y/C.

Audio Interface

2 x unbalanced, high impedance.

Power

Input voltage 6 to 16V.
Power consumption 4W typical (with
200mW power amplifier).

RF Output

Frequency bands from 250MHz to 2.8GHz
(Typical tuning range 20% of centre
frequency).
Output power options: 50mW, 100mW,
200mW

Serial Control/Data/Status Interface

RS232, 38.4K baud, 8bits, 1 stop bit, no
parity.

Configuration Switch

Up to 16 user defined configurations.

Power

Input voltage 6 to 16V. Power
consumption 4W typical (with 200mW
power amplifier).

Connectors

Composite Video: BNC.
RF out: SMA.
Power: 2.5mm locking screw jack.
Audio, Y/C Video, Data – 9 pin D-type.