



The Mini Transmitter is a versatile COFDM H264 digital video transmitter. It provides excellent distance and performance through its range of transmission bandwidths, and it has increased spectral efficiency in the 2 MHz and 1 MHz narrow bandwidth modes. This is the narrowest bandwidth available in any comparable product. The use of 4 MHz or 8 MHz modulation at shorter distances gives broadcast-quality image definition.

The Mini Transmitter is particularly well suited to providing robust wireless video links in mobile and non-line-of-sight urban environments, to a range of over 1 km. Ranges of over 40 km may be achieved in line-of-sight environments. Built-in AES128/256-bit encryption ensures security – subject to export controls. Various frequency bands are available within 300 MHz to 6 GHz.

An optional PA booster allows the Mini Transmitter to transmit over 1 km in a non-line-of-sight environment – depending on mode and frequency. The Mini Transmitter is ideal for use in body-worn applications or in fixed deployments.

The MEL product range includes the transmission and receiver kit briefcase. This comes with all the components needed for easy deployment in any operation. The kit includes:

- COFDM Transmitter
- COFDM Receiver
- Antenna Kit



Compression	H264
Compression Rate	650 kbs to 6 mbs
Chrominance Profile	4:2:0
Line Standard	PAL or NTSC
Audio	Stereo
Output Frequency	
UHF	300 MHz – 400 MHz
L Band	1.15 GHz – 1.4 GHz
S Band	2.28 GHz – 2.485 GHz
C Band	5.725 GHz – 5.850 GHz
Custom frequency bands are available on request	
Encryption	128 or 256 AES
Bandwidth & Resolution	
Standard	8 MHz @ QPSK (720 x 576)
Narrow	4 MHz @ QPSK (720 x 576) 2 MHz @ QPSK (464 x 288)
Ultra Narrow	1 MHz @ 16QAM (464 x 288)
Output Power	100 mW
Modulation Type	QPSK or 16 QAM or 64 QAM
FEC	From 1/2 to 7/8
COFDM Carriers	2K Carriers

COFDM Standard	DVB-T Proprietary
Weight	200 g
Power Supply	390 mA @ 12 V DC
Antenna Connection	SMA or 'N' Type
Power Connection	Red/black wire
Channel Selection Switch	Rotary Hex Switch
Video Connection	Screened cable/BNC
Audio Connection	Screened cable/LEMO
Optional Equipment	

1 or 2 W Power Amp – W 130 x D 38 x H 175 mm
 5 W Power Amp – W 157 x D 93 x H 60 mm

Briefcase Receiver Specifications

- Ruggedised case
- Integrated 10" TFT LCD monitor
- Integrated COFDM diversity video receiver
- Integral video recorder (HDVR, mini DVR)
- 4-channel receiver includes: 4x COFDM Rx; Quad screen DVR; and 4x video composite outputs
- Five-hour battery pack

