

DVB-T COFDM UHF Transmitter

Power 230V 125VA (set at max 8 watt UHF output)

RF

Connector N female

Frequency range 470 to 700 MHz
Tuning range channel 21 to 50

Output Power 50 mWatt – 8 Watt programmable for normal set

Codec versions SD-MPEG 2 / HD-H264 (1080 50i)

Number of video programs 1 or 2

Video (SD) PAL, NTSC, Secam
Modulation QPSK, QAM 16, QAM 64
FEC 1/2, 2/3, 3/4, 5/6, 7/8
Quard 1/4, 1/8, 1/16, 1/32
IFFT 2k
Bandwidth 6, 7, 8 MHz
Picture mode I, IP, IPB, IPBB
Video 1V tt

Video connector BNC
Video input Composite or SDI
Modulation error rate (MER) > 30 dB typ. 33dB

Video (HD)

H264 HD-SDI

Audio

(specifications incl. receiver)
Audio bitrate multiple, normal 256 kb.
Sample rate 32, 44.2 or 48 kHz
Audio frequency range 20 Hz – 20 kHz +/- 1 dB
Signal to noise > 80 dB
Channel separation (Stereo) > 80 dB
Distortion + noise < 0.2 %
In or Outputs + 6 dBm XLR 3 balanced

Remote connection 9 pole D connector

Dimensions both versions 483 x 133 x 340 mm

Configurations can be changed with any computer (via Windows Hyperterminal) and a RS232 cable, or with the display functions on the front.

Receiver

Reception range for 5 watt transmitter settings and one video program

Open field: up to 10.000 mtr with external receiving antenna 2000 mtr with indoor antenna

City: up to 1000 mtr with external receiving antenna 500 mtr with indoor antenna



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The HF Prints DVB-T transmitter / receiver complies with all European R&TTE rules (CE). Reception of UHF DVB-T is possible with all (consumer-) UHF DVB-T-receivers (including built-in DVB-T-receivers in television sets and car entertainment systems).