

2U DVB-T/T2 Transmitter TV-50D



General data

Operating frequency range	UHF 470 - 862 MHz or VHF 170 - 230 MHz, setting in 1 Hz steps
Bandwidth	6,7,8 MHz
Output power	50 Wrms ± 0.5 dB
Output connector	N female, 50 ohm
Supporting standards	EN 302 755, TS 102 831, NS 102 773 (T2-MI)
TS Input interface	2 x ASI T2-MI, BNC 75 ohm 2 x ASI TS, BNC 75 ohm (mode A option) 2 x TsoIP 1Gb, RG45 (TsoIP option)
ASI monitor	BNC female 75 ohm
GNSS antenna input	1 x GNSS antenna, TNC 50 ohm, user selectable DC bias integrated multi standard receiver (GNSS option)
External SFN timing:	
1pps input	BNC female 50 ohm, 0-5V
1pps output	BNC female, 0-1.5V @ 50 ohm load
10MHz input	BNC female, 100mVpp – 3Vpp, user selectable impedance
10MHz output	BNC female, 800mVpp @ 50 ohm load
Control and settings	on front panel and remotely
Control Interface	1 x RJ45 in front panel + 2 x RJ45 in rear panel 1 x RS-232 1 x RS-485 for external amplifiers
Remote control	RS232, Ethernet (WEB and SNMP) WEB GUI control for use with standard Web Broser.
MER	≥ 35 dB
Operating condition:	
Temperature range	+5 ... +45 °C
Humidity	80% non condensing
AC power supply	~220 V +10/-15% ; 50 ± 2 Hz
Power consumption	400 VA max
Cooling	forced air
Dimension	2U 19" (88.1x482.6x405mm)
Weight	11 kg

Options

Digital adaptive pre-corrector (DAP option)

Integrated Multi Standard Global Navigation Satellite System (GNSS option) GPS and GLONASS support

Mode A supported "legacy" TS input for NFM single PLP only (mode A option)

Bandpass DTV filter