

10W rms UHF DVB-T/T2 TRANSMITTERS



- DVB-T/T2 MODULATOR WITH EXCELLENT SPECIFICATIONS
- COMPACT FRAME 2RU
- FULLY BROADBAND SOLID STATE AMPLIFIERS
- MFN, SFN OPERATION
- DIGITAL ADAPTIVE PRECORRECTION
- SEAMLESS INPUT SWITCHING (2xASI)
- ASI OVER IP INPUT AVAILABLE AS OPTION
- INTERNAL GPS RECEIVER AVAILABLE AS OPTION
- EFFICIENT LOW NOISE FORCED AIR COOLING
- REMOTE CONTROL/MONITORING VIA SNMP/WEB
- USER-FRIENDLY TOUCH SCREEN DISPLAY
- EASY INSTALLATION, STARTUP AND MAINTENANCE

GENERAL SPECIFICATIONS

FREQUENCY RANGE	UHF BIV-V (470 – 860 MHz)
STANDARDS	DVB-T: EN 300 744, TS 101191 DVB-T2: EN 302755, TS 102831, TS 102773 (T2-MI)
AVAILABLE INPUTS	2xASI – 2xBNC 75Ω seamless switching 2x 10/100/1000 Base T RJ45, Protocols IP, RTP, UP, IGMP (V2&V3) VLAN ID (1 to 4094) - IEEE 802.1q, TS encapsulation and FEC decoding: SMPTE-2022
OPERATING TEMPERATURE	-5°C to 45°C
HUMIDITY	95% NON CONDENSING
INSTALLATION HEIGHT	UP TO 3000mt ASML
SAFETY	COMPLIANT WITH EN 60215
RF OUTPUT POWER	10Wrms
RF OUT CONNECTORS	N Female
OPERATING VOLTAGE	230 VAC±15%
DIMENSION	2RU

RF SPECIFICATIONS

TRANSMISSION MODES	MFN, SFN-SISO, SFN-MISO
MODULATION MODES	Syst. A, Syst. B Mono & Hybrid, Multi-PLP, T2 Lite
CONSTELLATION	QPSK, 16QAM, 64QAM, 256QAM (normal or rotated)
FFT	1k, 2k, 4k, 8k, 16k, 32k and extended modes
GUARD INTERVALS	1/128, 1/32, 1/16, 19/256, 1/8, 19/128, 1/4
FEC	1/2, 3/5, 2/3, 3/4, 4/5, 5/6
ADJUSTABLE TIME INTERLEAVING	AVAILABLE
TEST MODES	PRBS, SINUS, SPECTRUM GAP, NULL SYMBOL INSERTION
CLOCK & SYNCHRONIZATION	10MHZ & 1PPS, ON BOARD GPS RECEIVER (OPTION)
DIGITAL ADAPTIVE PRECORRECTION	LINEAR AND NON-LINEAR
MER	≥34dB
SHOULDERS	≥38db (before mask filter)
VSWR	1.4
RF EMISSION	COMPLIANT WITH EN 302 077 1-2

REMOTE CONTROL AND MONITORING SYSTEM

ETHERNET, WEB SERVER AND SNMP

AVAILABLE OPTIONS

ASI OVER IP INPUT

ON-BOARD GPS RECEIVER

OUTPUT MASK FILTER