

## 30W 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<br>DVB-T2: EN 302755, TS 102831, TS 102773 (T2-MI)   |
| AVAILABLE INPUTS      | 2xASI – 2xBNC 75Ω seamless switching<br>2x 10/100/1000 Base T RJ45, Protocols IP, RTP, UP, IGMP (V2&V3)<br>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       | 30Wrms  |
| 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