

Multistandard Digital Modulator OPTIMAL PERFORMANCE

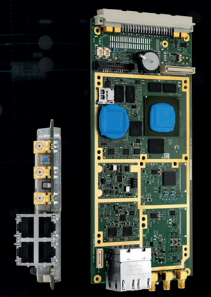


MDM PLATFORM

The **Multistandard Digital Modulator Platform** is characterized by high RF and MER performance and by its unique ability to optimize the performance of the power amplifier.

The modulators **accepts ASI and TSolP formats** as required.

The powerful modulator has an intuitive, user-friendly graphical interface, and can be managed by a PC, locally or remotely.



SINCE 1962 ITELCO HAS BEEN KNOWN FOR THE DESIGN AND MANUFACTURE OF STATE-OF-THE-ART TELEVISION TRANSMITTERS USING SOLID-STATE AND IOT, LIQUID AND AIR COOLED TECHNOLOGIES.

Itelco
In addition to **broadcast market**, ITELCO has developed a wide range of high performance, turn-key projects in the scientific, military, aerospace and medical fields.

Today, Itelco Broadcast is part of the **Elenos Group**, and aims to provide superior engineering and technological capabilities withover **90 years of broadcasting expertise** worldwide.

The Broadcasting & Telecommunication Pioneer



Elenos
An innovative, cutting edge FM transmitter manufacturer, Elenos is a global company with offices and support facilities in **Europe, North America and Asia**. Our transmitters are widely acclaimed for their sound quality, compact design, and unmatched features, efficiency and reliability.



Broadcast Electronics
BE's legendary **AM and FM transmitters** and the industry leading radio automation **AudioVAULT**, are on the air worldwide with thousands of loyal customers.



Protelevision
is a leading designer and manufacturer of advanced future-proof modulation solutions for Digital TV and Radio standards.

TV Transmitters - HIGHLIGHTS MEX II | IEC | Alpan | Thalna | Laran | Northia

- MULTI-STANDARD OPERATION**
DVB-T/H/T2, ATSC, ATSC 3.0, ISDB-T/Tb, DAB, Analog – *all standards*
- LOW POWER CONSUMPTION**
highly reduced energy consumption
- DOHERTY TECHNOLOGY**
for UHF and VHF B3
- LATEST LDMOS**
High power amplifier technology
- HOT-PLUGGABLE HPAs**
medium and high power
- SEAMLESS AUTOMATIC SWITCHING INPUTS**
between ASI and/or IP (*with priority*) all combinations in SFN
- AUTOMATIC ADAPTIVE PRECORRECTION**
Linear and Non-Linear
- 2 ASI / 2 GBE**
available inputs
- HIGH EFFICIENCY LIQUID OR AIR COOLING**

TV Transmitter

Pioneers in developing and manufacturing, full power range TV transmitters, multi-standard, air or liquid cooled, for broadcasting and scientific applications



Elenos Group - Dedicated Reliable Creative
www.elenosgroup.com

Dealer:



TV Transmitters

MULTIMODE LOW POWER



VHF | UHF AIR COOLED

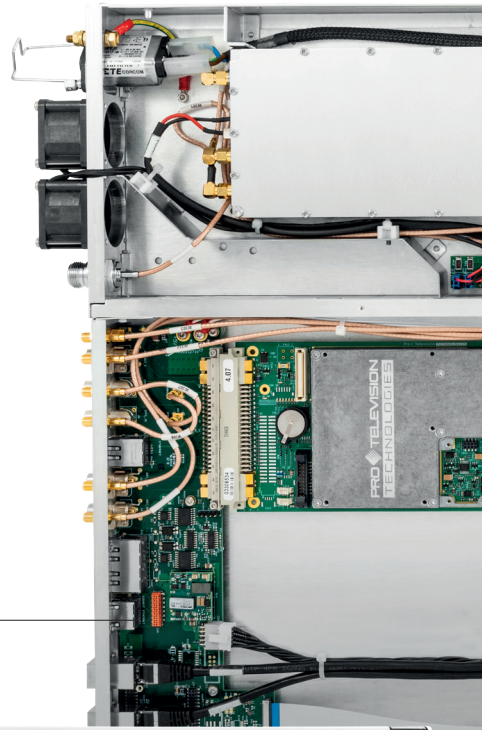
1 – 25 W _{rms}	MEX II EXC / TX
50 – 250 W _{rms}	IEC TX
600 – 1000 W _{rms}	ALPAN TX

Compact transmitter lines **MEX II** up to 25 W_{rms}, **IEC** up to 250 W_{rms} and **ALPAN** up to 1 kW_{rms}, all operations necessary for the generation of a high quality RF signal, are completely performed by a Real Time Digital Signal Processing using a FPGA.

Platform supporting DVB-T2, DVB-T/H, ISDB-T/Tb, ATSC, ATSC 3.0, DAB, and Analog TV.



2 DIFFERENT MODELS

- MEX II – 1 W_{rms}
- MEX II – 25 W_{rms}



TV Transmitters

MULTIMODE LOW POWER



VHF | UHF AIR COOLED

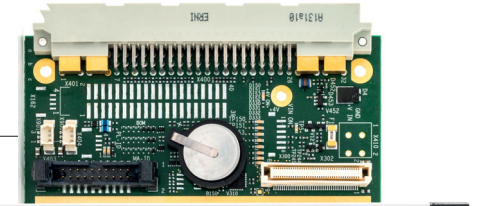
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2 DIFFERENT MODELS

- MEX II – 1 W_{rms}
- MEX II – 25 W_{rms}



TV Transmitters

MULTIMODE AIR COOLED MEDIUM POWER



VHF | UHF AIR COOLED

600 – 8000 W _{rms}	THALNA 1 – 8 TX
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THALNA air cooled transmitter, in a single rack (19"), in both VHF and UHF frequencies; platform supporting DVB-T2, DVB-T/H, ISDB-T/Tb, ATSC, ATSC 3.0, DAB, and Analog TV.

Use of latest LDMOS technology, giving particular attention to compactness, with minimum space requirements and operational costs, with an impressive power consumption reduction.

3 DIFFERENT MODELS

- THALNA UHF TV – 600 W_{rms} to 4800 W_{rms}
- THALNA VHF DAB – 1000 W_{rms} to 8000 W_{rms}
- THALNA VHF TV – 750 W_{rms} to 5600 W_{rms}



TV Transmitters

MULTIMODE LIQUID COOLED HIGH POWER



UHF LIQUID COOLED

1250 – 40000 W _{rms}	LARAN 1 – 32 TX
	NORTHIA 1 – 32 TX

Laran & Northia liquid cooled transmitters are capable of delivering up to 10 kW_{rms} in UHF, contained in a single 19" rack; up to 40 kW in multiple racks.

Laran & Northia transmitters feature multi-standard capability and the latest LDMOS technology which provide compactness and impressive efficiency.

2 DIFFERENT MODELS

- LARAN UHF TV – 1250 W_{rms} to 7500 W_{rms}
- NORTHIA UHF TV – 1250 W_{rms} to 40000 W_{rms}

