



EuroCaster

DDS5000 – 5kW FM TRANSMITTER

COMPACT



Prognostic

Analysis for predictive maintenance

Simply

Hot pluggable PSU - Easy to replace fans
Redundant power supply

Controls

LCD display, Web server and SNMP

Integrated unique features

Micro SD card slot
FM, Satellite and Terrestrial receiver

Advanced Efficiency Boost

Efficiency up to 75% with adaptive optimization

Digital Processing

Unique performances thanks to DDS digital modulator

Stereo & Soft clipper

Always included

Audio processor

Full telemetry with 3G connection



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GENERAL SPECIFICATION

Output frequency range	87.5 to 108MHz in 1Hz steps
Output Power	5000W (tol. +0/-0.5dB)
Output connector	FL 7/8" EIA
Spurious and harmonic suppression	Compliant with ETSI and FCC specification
Analog input	2x XLR female (Balanced; impedance 600Ω/10KΩ selectable)
MPX/SCA/RDS input	2x BNC female (Unbalanced; impedance 50Ω/10KΩ selectable)
Soft Clipper with band limitation	Included
Power consumption	Typ. 6,9KVA - Max. <7,5KVA
AEB (Advanced Efficiency Boost)	Included
Power supply	230Vac single phase/ 400Vac three phase start conn. (with power neutral)/ 230Vac three phase delta conn. (without power neutral)
Operative temperature	-5°C to +45°C @MSL
Maximum operative altitude	3000m ASL. For higher altitudes please contact our sales dept.
Maximum operative humidity	95% non-condensing
Housing	Rack drawer 19" 4U
Weight	<30Kg





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SOFTWARE OPTIONS

S-AM-UN	Audio monitor for input or on-air signal + test tone generator
S-SD-UN	Micro SD card slot
S-AES-UN	Digital AES/EBU & AES192 (MPX over AES) inputs
S-FMRX-UN	FM receiver input (for regenerative FM repeater/ translator)
S-SWI-UN	Automatic input switching (n.3 MPX profiles – audio/ RDS)
S-RDS-UN	Static RDS coder
S-RDS+-UN	Dynamic RDS
S-IP-UN	IP input (Icecast2 streaming & AES67)
S-DMPX-UN	Digital MPX over TS & Digital MPX over IP
S-ISO-UN	SFN/ Isofrequency operation

Included in
S-FULL-UN

HARDWARE OPTIONS

H-SATDTT	Embedded Satellite and Terrestrial receiver demodulator. DVB-S/S2 (L-band input) and/or DVB-T/T2 and ISDB-T (VHF/UHF band input)
H-3G	2G/3G modem router for remote connection/telemetry and SMS
H-I/O	Analog telemetry interface with n.3 isolated clean contact outputs, n.4 optoisolated inputs, n.4 analog outputs (0 to 5V), mini UPS for remote control, for router and for telemetry interface, RF filter for router
H-AP	Integrated audio processor (without software license) & email client
H-SATDTT2	Second Redundant Embedded Satellite and Terrestrial receiver demodulator with seamless switching
H-CAM	CAM Slot (Common Interface Module)
H-ASI	ASI T.S. input (or output) interface
H-REF	10MHz and 1pps inputs
H-GNS	High stability reference oscillator GNSS (GPS + GLONASS) locked, oven clock 10MHz + 1pps outputs
H-AGNS	GPS/GLONASS receiving antenna (gain 26dB typ.) + 15 meters cable

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Remote via PC and smart phone



Always connected providing concrete answers

Telemetry: which advantages?

Having **total control** and knowing how the equipment works is priceless; that's why in our transmitters **telemetry will never be an option**. The embedded **web server** and **SNMP agent** provide a quick connection to the equipment, allowing you to check and manage all the parameters **from any device**, wherever you are.

WaveArt transmitters are able to **send SMS** in case of specified events. The transmitter shows you its past behavior through the advanced event log and it **foresees the future** thanks to the **EffiSense prognostics** feature.

Our experience at your service

We offer **professional technical training courses** to enable operators to become familiar with theoretical and practical aspects of radio broadcasting.

Detailed content of each course will be customized to suit the particular needs of those attending.

Our team assists you in every step of your **network planning**, as well as in every kind of **troubleshooting**.

We care for **human relationships** first and we'll always do our best to **put you and your station on top**.



Design your transmitter with hardware and software options that fits your needs.

Satellite and FM reception for re-broadcast and Many more options available. Ask us!



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Many connections and easy to replace fans

