

SDT 201 MM

Dual Mode Transmitter with Re-Multiplexer Function and Decoder Built-in 200W ps/100W rms



> SDT 201 MM

Main Features

- UHF/VHF(III) and MMDS fully agile Dual Mode Transmitter.
- Integrated MPEG2 Decoder.
- Integrated GPS Professional Receiver.
- Integrated SNMP management with events store.
- Integrated GBE interface.
- Output Power remotely adjustable with high dynamics, in step of 0.1 dB.
- Digital linear precorrection.
- Digital non linear precorrection with automatic curves loading for each standard, channel and power levels.
- Wide Range Power Supply 90-264 V AC in fuse-free configuration (SW Standby Switch).
- 12 (with power limitations), 24, 48 V DC Optional.
- Typical MER: > 36 dB at all power levels and in all channels.
- Quick-acting protection circuits against overpower and direct/reflected power and "Soft-start" Circuit.
- Protection against reflected power with automatic fold-back.
- Multi-Mode Operation w/software switch.
- Transport stream de-multiplexing with extraction of a single program.
- Re-multiplexing function with drop-out of services or single components.

AUTOMATIC
DIGITAL/ANALOG

TRANSMITTER

RE-MULTIPLEXER
FUNCTION

DECODER
BUILT-IN

ASI > MOD > RF

DVB-T
DVB-H

PAL

The SDT MM Series is the latest generation of high-integration digital television transmitters for SFN and MFN networks. The transmitters of this series feature a built-in SFN adapter and very advanced SWDT® (Software Defined Transmitters) technology which allows implementing different modulation patterns – either digital or analog – (DVB-T/H, PAL in the same hardware). Moreover, the SWDT® technology allows selecting transmission modes in various ways: remotely, using a clean contact; via SNMP commands; via TCP/IP, using the Web graphic interface; or even via a dedicated command inserted into the transport stream.

An innovative firmware allows zero error signal processing thanks to an internal 32 bit architecture. Functional interfaces are available for total remote control of the apparatus by means of serial protocols or TCP/IP ports. Thanks to the internal Web server the apparatus can be easily monitored and configured using a LAN connection and a standard Web browser. Moreover, the built-in SNMP server allows performing all types of automated remote control.

MODEL-SPECIFIC DATA

Model	Output band	Digital output power (rms) without filter DVB-T/H	Nominal analog output power (p.s.) with dual mode option
SDT 201UB MM	UHF	100 W	200 W
SDT 201TB MM	VHF (III)	100 W	200 W

Specifications and characteristics are subject to change without notice.

GENERAL

Working Class AB	SDT 201 MM
Cooling	Forced air
Local control and monitoring	Extensive front panel control Local terminal on RS-232
Remote control and monitoring	Web based Java interface Telnet access via Ethernet SNMP
Operating temperature	-10°C to +45°C
Maximum relative humidity	90%, non condensing
Maximum operating altitude	2500 m a.s.l. (> 2500 m on request)
Mains power supply	90-260 V AC
Dimensions	2 RU (19" rack), 400 mm



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