



Successfully manufactures broadcasting equipment since over 30 years.

DAB TX - SLIM2_01_VHF_SD_PCM 2PPT



VHF-III frequency band (174 to 230 MHz or 160 to 260 MHz*)
 Fully compliant with standard TS 102 428 - (DAB/DAB+/DMB) transmission
 High efficiency & Compact size
 Configurable as Transmitter or Repeater*
 Inputs:
 -dual ETI (radio)
 -Ethernet EDI: 2xGBE(Electrical) + 1xSFP(optical/electrical)*
 -Sat* (DVB-S/S2-multistr.-CAM slot)
 -off-air broadcast* (RF)
 Fully qualified for SFN - Hitless input switching,
 Frequency agile - "static" or "adaptive" pre-correction (both linear and non-linear)
 Broadband standardized design
 Frequency ref:
 -built-in high stability OCXO,
 -input for optional external source
 -Built-in GPS receiver
 Single phase voltage supply - High efficiency
 Front-panel display & SNMP / HTTP for direct & remote equipment control.
 Easy SW/FW update
 -remote (Ethernet)
 -local (USB flash key)
 -ASI stream (OTA service)
 N-in-one configuration*: N Transmitters in 1 cabinet

TECHNICAL DATA

RF - Output Power - before filter (Wrms)*	630	
no.PA modules	1	
System configuration	single drive (dual drive and others on request)	
Mains	Voltage	230 VAC (+/-15%) @ 47 to 63 Hz - single phase
	Power consumption (W) **	1800
Cooling air flow rate (m ³ /h - max)	400	
Size	Width (mm)	480***
	Height (mm)	132(3U)***
	Depth (mm)	500***
Weight (kg)	24***	

BB INPUTS



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DAB	ref. standards	TS 102 428
	RF channel width	1.536 MHz blocks
ASI/ETI inputs		2xASI/ETI (BNC f, 75W) - seamless/hitless switching (SFN)
IP input		2xGBE (ProMPEG Cop3) - Electrical + 1XSFP GBE - Opt./Elec.*

SATELITE RECEIVER

SatTV standard	DVB-S — DVB-S2 - EN300421
Frequency range	950 - 2150 MHz
Signal level	-65 to -25 dBm
Connector - Cond. Access	SMA f - CAM slot
LNB control	available, through RF input PS, polarity / band selection: by standard 13/18VDC and 22kHz signalling

MONITORING AND CONTROL

RF Monitoring Connectors		FWD/REF: SMA female , 50 W
Local Control		front panel (keys/display/USB port) / standard web browser
Remote Control	Netw. Mgmt.	web browser / SNMP agent - upgrade also through ASI TS (OTA)
	Direct signalling	IEC 60864-1

FREQUENCY REFERENCES

Built-in ref.	Frequency	10 MHz OCXO
	Stability	time: max $\pm 10^{-7}$ /year - temperature: max $\pm 2.5 \cdot 10^{-8}$ (-20° to 70°C)
Ext. ref.	Frequency	10 MHz - 1pps
	Level	1 V _{pp} (0.7 to 1.4 V)
VCO tuning step		1 Hz

OPERATING CONDITIONS

Operating temp. range		0° to 50°C*
Max rel. air humidity		95% @ 30°C, no condensation
Max altitude		4000 m a.s.l.
Immunity	bursts	
	surges	
Safety		EN 60215 (IEC 215)



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SIGNAL PROCESSING- TX BASED ON PCM EXCITER

