

DRAKE

DTS860

8VSB / QAM to ASI Demodulator

The Drake DTS860 ATSC 8VSB/QAM Demodulator provides digital demodulation for ATSC 8VSB broadcast or in-the-clear QAM television signals. The DTS860 delivers a DVB-ASI transport stream output. This stream will contain all programs present on the selected RF channel.

The DTS860 is packaged in an extruded aluminum module that is compatible with the Drake RMM12 or RMM4 rack-mounting units normally used for our analog mini-rack components. The modules are one unit wide and thus take one of 12 available slots in the RMM12. The DTS860 modules may be intermixed with analog modulators from the Drake VMM mini-rack series, all powered by a single PSM121.

Features

- Receives ATSC 8VSB or clear QAM
- Converts signal to DVB-ASI transport stream
- Supports Closed Captioning
- Firmware updates available through front-panel
- Designed for use with Drake RMM12/PSM121 or RMM4 chassis

Look for these other fine DRAKE Mini Mod Products:



DAV860



RMM4 Chassis with Built-in Power Supply



RMM12 Chassis with PSM121 Power Supply
(and various DRAKE Mini Mods)



DTS860
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Specifications

SPECIFICATIONS	
INPUT	
Connector:	F-Type
Standards:	ATSC 8-VSB QAM (64 and 256)
8-VSB Mode	
Tuning Range:	UHF (NTSC 14-78), VHF (NTSC 2-13)
Symbol Rate:	10.762 Msymbols/sec
QAM Mode	
Tuning Range:	CATV (NTSC 2-135)
Symbol Rate	5.3606 Msymbols/sec (256 QAM) 5.057 Msymbols/sec (64 QAM)
Single Channel Power Level:	-32 to +45 dBmV
8VSB Power Level:	-20 to +30 dBmV
QAM Power Level:	-20 to +20 dBmV
Return loss:	12 dB
Impedance:	75 Ω
OUTPUT	
Connector:	F-Type (equipped with F-to-BNC adapter)
ASI Standard:	DVB-ASI; 50083-9
ASI Data Bit Rate:	270 Mbps
ALARMS/MONITORING/CONTROL	
Front-Panel Indicators:	RF channel (2-digit LED display) Frequency/channel plan (1-digit LED display) +100 Channel (Red LED) SNR (2- & 1-digit LED display) Lock LED (solid LED) No Lock (flashing LED) RF Mode (2- & 1-digit LED display) Baud Rate (2- & 1-digit LED display) Firmware revision (2-digit LED display) Software revision (2- & 1-digit LED display) Unit reset (2- & 1-digit LED display)
GENERAL	
Dimensions:	1.15 x 7.5 x 3.5 inches
Power:	110 VAC/60 Hz or 220 VAC/50 Hz
Power Dissipation:	7 W (per DTS860 module)
Weight:	0/8 lbs (0.36kg)
Operating Temperature:	32 to 122° F
Operating Humidity:	0 to 95% RH @ 35°C max, non-condensing