



MiniTrans Digital Transmodulator Cherry-Pick / Edit Function

FEATURES

- Receives digital satellite signal, terrestrial air signal or cable TV signal, and delivers one RF carrier output in QAM/COFDM/DTMB/ATSC format (optional, preset at factory)
- PMT, Video/Audio PID, Service/Service Provider/Network programmable
- Selectable LNB power 13/18 VDC with 22KHz tone control
- Supports data setup/control thru Ethernet/LAN/RJ45
- User friendly web GUI menu
- High MER (Modulation Error Rate)
- CAS data Bypass (for DVB-C QAM)
- NIT search (for DVB-C QAM)

SPECIFICATIONS

Satellite RF Input

Frequency Range	:	950MHz to 2150 MHz
Input Level	:	-65dBm ~ -25dBm
Input Impedance	:	75 Ohms
Mode	:	DVB-S2/S, 8PSK and QPSK
VITERBI Rate	:	Auto Scan DVB-S (1/2, 2/3, 3/4, 5/6, 6/7, 7/8) DVB-S2 (1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10)
Symbol Rate	:	QPSK : up to 45Msps ; 8PSK : up to 37Msps
DVB-S2 Roll-off	:	0.35, 0.25, 0.20
Input Impedance	:	75 Ohms

Connector	:	F-Type Female
LNB Power		
Voltage	:	OFF, 13V or 18V \pm 10%
Current	:	350mA max.
Tone Frequency	:	OFF or 22kHz
Protection	:	Overload protection

Terrestrial/Cable RF input

Frequency Range	:	48MHz to 860MHz
Input Level	:	40dBuV ~ 90dBuV
Input Impedance	:	75 Ohms
Loop-Through Gain	:	\pm 3.5dB
Connector	:	F Type Female

RF Modulation

ITU-T J.83 Annex	:	Annex A/B
Modulation Format (optional)	:	DVB-C QAM/COFDM/DTMB/ATSC preset at factory
Mode	:	64QAM for DVB-T COFDM/DTMB, 8VSB for ATSC 64 QAM/256 QAM for DVB-C QAM (DVB-T2/256QAM by order)
Phase Noise	:	@1K \geq 70dBC; @10K \geq 80dBC; @100K \geq 90dBC
MER	:	39 dB typical
Spurious	:	55 dB typical
FEC	:	DVB

RF Output

Frequency Range	:	47 MHz to 860 MHz
Bandwidth	:	6 / 7 / 8 MHz (NTSC, PAL-B/G/D/K/I available)
QAM Symbol Rate	:	4.1 ~ 7.0 Msps
Output Level	:	+90 dBuV with 20 dB adjustment
Spurious Level	:	-55 dB typical
Out-of-band Noise	:	-55 dB typical at 40dBm output
Frequency Stability	:	+/- 10 KHz
Output Impedance	:	75 Ohms
Connector	:	F-Type Female

Remote Control Interface

Communication Interface	:	Ethernet
Electrical Interface	:	IEEE 802.3, 10 Base-T
Data Link	:	Max 10Mbps
Connector type	:	RJ 45

General

Operating Temp. Range	:	0°C ~ 50°C
Power Input	:	DC 5V/12V
Dimension per piece/module	:	1"W * 3.5"H * 7.5"D
Weight	:	0.7 Kg

FULL LOADED:

*12 Modules/Channels built-up with 2U-high mini rack and power supply



*4 Modules/Channels built-up with 1U-high front rack and power supply

