TONEr
cable equipment, inc.

TAVQ Agile 8VSB to QAM Transcoder

The TAVQ transcoder is a compact 8VSB to QAM transcoder that is packaged like any mini modulator and fits most standard mini mod chassis. The TAVQ features an 8VSB input frequency range of 54 to 806 MHz and QAM output frequency range of 54 to 1000 MHz. With the TAVQ you have the ability to edit PMT, Service / Network names as well as channel numbering in either virtual numbering or major / minor channel numbering. Setup is easily accomplished with an Ethernet connection and user friendly GUI.

FEATURES

- Receives terrestrial off air signal 8VSB and delivers digital QAM 64 / 256 RF output
- Full parameter PMT, Service / Network name editable
- Selection of video services
- Supports Major / Minor channels
- Supports setup / control through Ethernet / LAN / RJ45
- User friendly menu on web GUI
- High MER (Modulation Error Rate)
- Data copy to another transmodulator

TAVQ Agile 8VSB to QAM Transcoder

SPECIFICATIONS

Terrestrial RF Input

Frequency Range:	54 to 608 MHz
Input Level:	-35 to 40 dBmV
Input Impedance:	75 ohms
Loop-Through Gain:	±3 dB
Connector:	F-Type Female

RF Modulation

ITU-T J.83 Annex:	Annex B
Modulation Format:	Cable QAM
Mode:	64 QAM or 256 QAM
Phase Noise:	@1K≥70dBC; @10K≥80dBC; @100K≥90dBC
MER:	36-40 dB

RF Output

Frequency Range:	54-1000 MHz
Bandwidth:	6 MHz (NTSC)
QAM Symbol Rate:	(1) 64 QAM : 5057 Mbps
	(2) 256 QAM : 5360 Mbps
Output Level:	+35 dBmV with 30 dB adjustment
	(+30 dB for 860-999 MHz)
Spurios Level:	-55 dB typical
Out-of-Band Noise:	-55 dB typical
Frequency Stability:	± 20 KHz max
Output Impedance:	75 Ohms
Connector:	F-Type Female

Web Control Interface

Communication Interface:	Ethernet / LAN
Electrical Interface:	IEEE 802.3, 10 Base-T
Data Link:	Max 10 Mbps
Connector Type:	RJ45

General

DC Power Input:	5V/410mA and 12V/200mA
Operating Temperature:	0 to 50°C
Size:	1"W x 3.5"H x 7.5"D
Weight:	1.2 lbs