

IP to DVB-T Quad Modulator

14MM-MIX440

The MIX440 is an IP input to DVB-T modulated output with up to 4 RF channels. MIX440 is part of TERRA's 400 series headend cards and can be used in IPTV systems or matched with an MHI430 from Terra's range to modulate HDMI®/IP transport streams to DVB-T. Used with TERRA's UP410, UP413 power supply or can be powered individually by DC terminal using 12VDC power supply (>1000mA)

Features and Benefits

- » SPTS or MPTS input stream with service filtering for MPTS
- » Up to 200 Mbps IP input supporting UDP/RTP and RTSP protocols
- » Web-based User Interface for ease of control and configuration
- » Up to 4 x DVB-T output with MER >35dB
- » TS file streaming from USB flash drive
- » DIN rail or wall mounting with RF looping connection



14MM-MIX440 Specifications

IP input	
standard	IEEE802.3 100/1000 BaseT
bitrate	up to 200 Mbps
reception protocols	UDP/RTP, RTSP
MPTS	Yes
SPTS	Yes
Audio System	2 (Stereo)
RF output	
DVB standard*	DVB-T
frequency range*	170-230 MHz / 470-862 MHz
channel allocation	adjacent
channel count	4
level/impedance	90 ± 2 dBμV/75 Ω
TS bit rate	< 31 Mbit/s
MER	≥ 35 dB
modulation*	QPSK, QAM16, QAM64
channel bandwidth*	7 MHz / 8 MHz
symbol rate*	-
transmission mode*	2K / 8K
total output level adjustment*	0 + -15.0 dB by 1 dB step
loop through	
frequency range/loss	45-862 MHz / ≤ 2.5 dB
Management port	standard IEEE802.3 10/100 BaseT (independent on IP input)
Current consumption	12 V 700 mA
Operating temperature range	0° ÷ +50°C
Dimensions/Weight (packed)	36x198x112 mm/0.84 kg