



Modular reception system

Quatro and twin IP DVB modulators

Converting of TS/IP input signal into 4 QAM/COFDM modulated DVB-C/J.83B/DVB-T/ISDB-T channels and 2 QPSK modulated DVB-S channels.

- SPTS or MPTS input stream
- MPTS service filtering
- PCR restamping
- RTSP protocol of video H.264/H.265, audio AAC conversion to transport stream
- SDP/SAP protocol support
- TS file streaming from USB flash
- Web control and SNMP agent
- RF loop through input
- DIN rail or wall mounting
- robust die-cast housing
- connectors:
 - RF input/output - type F
 - Ethernet control, Ethernet stream input - RJ-45
 - USB - USB-A
 - screw terminal block for DC entry
 - power distribution bus

miq440
DVB-C/J.83B modulator

mix440
DVB-T/ISDB-T modulator

mid420
DVB-S modulator



Technical specifications		T Y P E				miq440	mix440	mid420
Ordering number						03870	03871	03873
IP input	standard	IEEE802.3 100/1000 BaseT						
	bitrate	up to 200 Mbps						
	reception protocols	UDP/RTP, RTSP						
	MPTS	Yes						
RF output	SPTS	Yes						
	standard	DVB-C		J.83B	DVB-T	ISDB-T	DVB-S	
	modulation	QAM16, QAM32, QAM64, QAM128, QAM256		QAM64, QAM256	QPSK, QAM16, QAM64	QPSK, QAM16, QAM64, DQPSK	QPSK	
	frequency range	96-862 MHz			170-230 MHz / 470-862 MHz		250-2350 MHz	
	channel allocation	adjacent						independent
	channel count	4						2
	level/impedance	90 ± 2 dBμV/75 Ω						80 ± 2 dBμV/75 Ω
	TS bit rate	< 53 Mbit/s			< 31 Mbit/s		< 72 Mbit/s	
	MER	≥ 40 dB			≥ 35 dB		≥ 30 dB	
	channel bandwidth	4...8.3 MHz			7 MHz / 8 MHz		3...60 MHz	
	symbol rate	3.5...7.2 Ms/s			-		2...45 Ms/s	
	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						45-2400 MHz / ≤ 5.0 dB	
Management port		standard IEEE802.3 10/100 BaseT (independent on IP input)						
Current consumption		12 V 700 mA						12 V 1 A
Operating temperature range		0° ÷ +50°C						
Dimensions/Weight (packed)		36x198x112 mm/0.84 kg						48.5x198x112 mm/1.06 kg

pr. software control