TERRA

Modular reception system
Quatro and twin IP DVB modulators

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

miq440
mix440

mid420

- 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
- 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		IEE802.3 100/1000 BaseT				
bitrate		up to 200 Mbps				
reception protocols		UDP/RTP, RTSP				
MPTS		Yes				
SPTS		Yes				
RF output standard	pr.	DVB-C	J.83B	DVB-T	ISDB-T	DVB-S
modulation	pr.	QAM16, QAM32, QAM64, QAM128, QAM256	QAM64, QAM256	QPSK, QAM16, QAM64	QPSK, QAM16, QAM64, DQPSK	QPSK
frequency range	pr.	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	pr.	4...8.3 MHz		7 MHz / 8 MHz		3...60 MHz
symbol rate	pr.	3.5...7.2 Ms/s		-		2...45 Ms/s
transmission mode		-		2K		-
total output level adjustment	pr.	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 IEE802.3 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