Scientific Atlanta®

Marco Polo MKII™ - Universal TV Demodulator

Description

The Marco Polo MKII™ TV Demodulator is a universal television demodulator, which demodulates the full range of frequencies.

The Marco Polo MKII hyper band tuner covers the whole channel range going from 45 MHz to 860 MHz. The multi standard feature allows for demodulation of all worldwide channel system, viz. BG, DK, L, I and MN. The Marco Polo MKII supports Teletext and Closed Captioning decoding.

Due to the PLL FM demodulator, the Marco Polo MKII demodulator allows excellent mono, IRT stereo, IRT dual, BTSC & SAP, Korean sound and NICAM sound decoding. The audio levels are controllable through the keyboard.
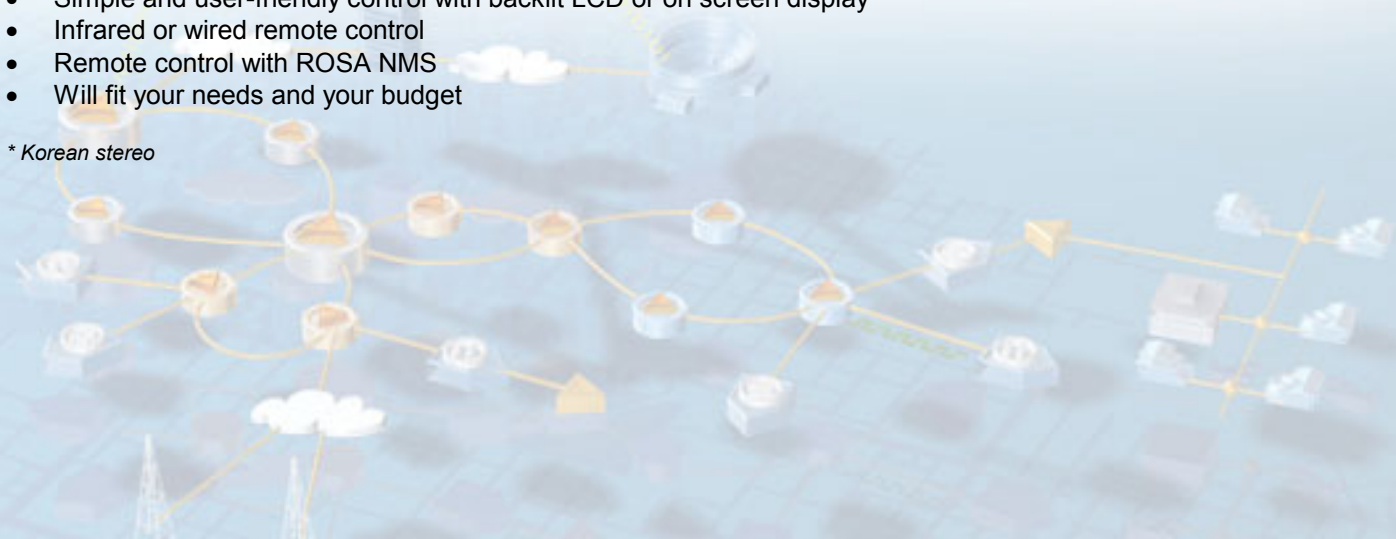
The Marco Polo MKII demodulator can be directly configured and monitored using the front panel user interface and is fully integrated in Scientific-Atlanta's ROSA™ Network Management System (NMS).
A keyboard or the infrared or wired remote control (MRC 4000) can control this unit. The LCD display or the OSD-function (On Screen Display) presents the settings.

Features

- High performance multi-standard off air receiver demodulator
- Multi-band tuning with random access or search for easy program selection
- Two-carrier multistandard FM demodulation for B/G, D/K and Mk standard *
- Nicam decoder for B/G, D/K, I and L standard
- BTSC stereo / SAP / DBX decoder for M/N standard
- Audio output configurations for every requirement
- Speaker output with volume, balance, treble and bass control
- Controls for video and audio gain
- Closed captioning and teletext decoder supporting TOP and FLOF
- Simple and user-friendly control with backlit LCD or on screen display
- Infrared or wired remote control
- Remote control with ROSA NMS
- Will fit your needs and your budget

Korean stereo

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Specifications

RF Input	
Connector	F-type, 75 Ω
Frequency	45.25 MHz to 860.25 MHz
Input level	-16 dBmV to 27 dBmV
Tuning	Random access or search
Step size	62 KHz
Video	
Standard	B/G, D/K, I, L, M/N
Preset	200 program presets
Program ID	15 characters wide
Audio	
Standard	Mono, IRT and Korean stereo, IRT dual sound, NICAM digital sound, BTSC & SAP

Outputs	
Video Output	
Number of outputs	2
Connector	BNC, 75 Ω
Level	1 Vpp baseband video into 75 Ω
Level adjust	
Manual	± 3 dB
Automatic	Based on sync amplitude
Frequency compensation	
Manual	± 3dB
Automatic	Based on burst amplitude
Audio output	
Number of outputs	2
Connector	Male XLR (L and R)
Level	0 dBm across 600 Ω
Level adjust	-3 dB to +9 dB in 0.5 dB steps
SAP Output	
Connector	Male XLR
Level	0 dBm across 600
Level Adjust	-3 dB to +9 dB in 0.5 dB steps
Speaker output	
Connector	Wire 4-pole
Controls	Volume, balance, bass, treble
Effects	Spatial for stereo Pseudo for stereo
Power	2 x 6 Wrms across 8 Ω

Specifications – continued

Closed Captioning / Teletext	
Closed captioning	Line 21 decoder EIA-608 XDS is not supported
Teletext	TOP and FLOF supported 5 character set options
Default setting	English, Italian, Spanish, German, Turkish, Swedish, French
Remark : Decoded TXT or closed captioning is not available in RGB but is inserted in the CVBS output with OSD. The color encoder is automatically genlocked with the color standard of the received video signal. (PAL B, PAL M, PAL N, NTSC 3) In case of Secam reception the TXT and OSD information will be in black and white	

Remote Control	
Infrared / wired MRC	
Full keyboard functionality and direct access of audio, TXT or C.C. features and OSD navigation	
RS 485 / RS 232	
Connector	
RS-485	Male 9-pins Sub-D
RS-232	Female 9-pins Sub-D
Communication protocol	RCDS SINGLE (keyboard simulation)

Environmental Specifications	
Operating temperature	+32°F to +113°F (0° to 45° C)
Storage temperature	-4°F to +158°F (-20° to 70°C)
Power supply (nominal)	100 – 240 V AC; 47 – 63 Hz or -48 V DC
Power consumption (nominal)	25 W (nominal)

Mechanical Specifications	
Height	1 RU
Width	19" / 482 mm
Depth	18,5" / 470 mm
Weight	10.36 lbs / 4.7 kg