

# Quattron Pro-D

## SMATV Modulator - Double Side Band



### Overview

Quattron Pro-D SMATV Modulator is a double side band TV modulator to be integrated with SMATV Systems and similar CCTV systems, which converts the audio and video (AV) signals generated by satellite receivers, security cameras, computers etc. electronic peripherals to TV standard in VHF, S-Band or UHF channels.

### Features

- 8 channels models, 19" standard mechanical structure.
- Microprocessor controlled, digital programming and adjustable output channel.
- Compatible with PAL (B/G, D/K, I, L) picture standard.
- Use in entire TV band with VHF, S-Band and UHF options.
- Flexible and modular design architecture.
- High, stable and adjustable output level.
- Ability to shut down unused modules in means of RF.
- Test signal or dark screen option for sound-only sources.
- 90-240 VAC Switch Mode Power Supply.

### Technical Specifications

Feature	Specification	
<b>Number of Modules (channels)</b>	Default 8, optionally 6 or 4	
<b>Modulation Type</b>	DSB - Double Side Band	
<b>Carrier Standards</b>	PAL B/G, PAL D/K, PAL I, PAL L, adjustable	
<b>Number of Audio Channels</b>	1 (Mono)	
<b>Output Channel Range [*]</b>	S03-E12 (118-230 MHz) or S11-E69 (230-862 MHz), adjustable	
<b>Output Impedance</b>	75Ω	
<b>Signal/Noise Ratio (SNR)</b>	> 46 dB	
<b>TV Test Picture</b>	On / Off adjustable	
<b>RF Input/Output</b>	External RF Input Band	47-862 MHz (80 dBuV max.)
	External RF Input Imp.	75Ω
	Combined Output Level	86 dBuV
	Comb. Output Lvl. Adj.	-20...0 dB
	Combined Output Imp.	75Ω
<b>A/V Input</b>	Audio Input Level	500 mV ± 6 dB (RMS)
	Audio Input Impedance	680Ω
	Video Input Level	1 Vpp @ 81% modulation depth
	Video Input Impedance	75Ω
<b>General</b>	Dimensions and Weight	483mm x 265mm x 88mm, 4.7 kg.
	Mechanical Structure	Sheet Metal, 19" 2U Rack Type, IP20
	Operating Env. Temp.	-20°C...+55°C
	Input/Output Elements	AV Inputs: RCA Jack (8 Pairs, Rear Panel) RF Input/Output: F Type (2 Pcs., Front Panel)
	Mains Input	90-240 VAC, 50-60 Hz (IEC 320)
	Power Consumption	20W

[\*] Specification depends on operating band and should be specified as VHF (S03-E12) or S-Band+UHF while ordering.