



EVA-210

VSB RF modulator
with NICAM

Art.no: 102210.01

PRODUCT INFORMATION

EVA-210

The EVA-210 is a high performance VSB modulator that can be programmed to multiple international standards. The EVA-210 also incorporates a NICAM digital stereo encoder giving high quality stereo.

Features:

- High quality professional VSB RF modulator
- NICAM stereo sound encoder
- For operation in SMATV and Cable TV head ends
- Can be set to any transmission standard
- High output level (≥ 110 dB μ V)
- Covers 47-860 MHz
- PAL/SECAM/NTSC operation
- Settings via PC or PALM PDA (RS-232)
- Video (phono) and stereo audio (phono) inputs
- Low power consumption



DVB's main transmission standards, DVB-S for Satellite, DVB-C for Cable and DVB-T for terrestrial, dominate the world and are the basis for most of the alternative standards.

design for TV

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TECHNICAL SPECIFICATION

(This specification may be subject to change without notice).

Connectors and Interfaces

Control connector	9pin male, D-sub
RF output connector	F female
Video input connector	Phono female (yellow)
Audio input connectors	Phono female (Left white and Right red)
LED Indicator lights	Power on
Front panel controls	Channel setting, RF output level
Remote controls	Settings of Frequency, Standards and RF out level

Audio/ Video input

Video level	1 Vpp, 75 Ω
Audio level	0.77 Vrms nominal, high impedance

RF output

RF output impedance	75 Ω
RF output frequency	47 – 860 MHz
RF output level	≥ 110 dBuV, variable 0 to -31 dB in 1 dB steps
Spurious signals Suppression	> 60 dB
Standards	PAL, SECAM or NTSC

Modulation

Standards	B/G, I, D/K, H, L, M/N
<i>Depending on standard programmed:</i>	
Modulation video	VSB AM, neg or pos
Modulation mono	Audio FM or AM
Mono sub-carrier frequency:	4.5 MHz, 5.5 MHz, 6.0 MHz or 6.5 MHz

Miscellaneous

Power supply	7.5 VDC nom. (6-9V)
Power consumption	Typ. < 7 W
Dimensions	165x105x20 mm (exclusive connectors)
Weight	Approx. 330 g
Controller	Palm handheld or PC (software included)
Operating temperature	0 to 50°C

NICAM

Standards	NICAM 728 (EN 300 163)
Power ratio (Vision/Nicam carrier)	B/G -20dB I -24dB D/K -24dB L -27dB
Tolerance	+/- 1dB

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