

EVA-210

High quality CATV VSB RF modulator
with NICAM sound



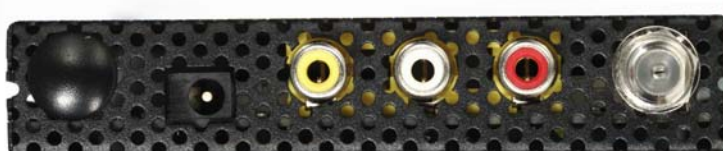
PRODUCT INFORMATION

- 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 dBuV)
- Covers 47-860 MHz
- Low power consumption
- Video (phono) and stereo audio (phono) inputs
- PAL/SECAM/NTSC operation

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DESCRIPTION AND FEATURES

The EVA-210 is a Vestigial Sideband (VSB) AM analog, video/audio modulator that can be programmed to different international standards. It is made for adjacent channel operation so that every available channel on a cable TV network can be used.

In addition to the analog TV sound the EVA-210 also incorporates a high quality NICAM digital stereo encoder giving high quality stereo and surround (if available from program source) audio reception in modern TV sets.

SETTINGS AND CONTROL

Programming and different settings of the unit is made via an RS-232 connector on the front. Software is included for control via Palm handheld computer or standard PC.

Channel setting and output level control also available on the front panel for direct control.

VIDEO-AUDIO INPUTS

The stereo audio inputs are summed to give the mono audio sound and fed directly to the Nicam stereo encoder.

Video connector: Type phono, yellow,

Video level: 1 Vpp, 75 ohm

Audio connectors: Type phono, Audio L white, Audio R red

Audio level: 0.77 Vrms nominal, high impedance

MODULATION

Standards Programmable to
B/G, I, D/K, H, L, M/N

Modulation video VSB AM, negative or positive depending on programmed standard

Modulation mono audio FM or AM depending on programmed standard
Mono subcarrier frequency 4.5 MHz, 5.5 MHz, 6.0 MHz or 6.5 MHz depending on standard

RF OUTPUT

RF output connector	Type F
RF output impedance	75 ohm nominal
RF output frequency	47 - 860 MHz
RF output level	110 dBuV, variable 0 - 30dB

Spurious signals Suppression	> 60 dB
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OTHERS

Power supply	7.5VDC nom. (6 - 9 V)
Power consumption	Typ. < 7 W,
Dimensions:	165x105x20 mm

(excluding connectors),
panel 35x128 mm
(7TE x 3HE)

Weight :	approx. 330 g
Mounting	Direct on wall with separate bracket or in 19-inch rack box

Controller	Palm handcomputer or PC (software included)
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Control connector	9P Dsub, male
Front panel controls	Channel setting, RF output level, Reset Indicator lights on

Operating temperature	0 to +50°C
NICAM 728	(EN 300 163)

(This specification may be subject to change without notice)

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