**EVA-210**

High quality CATV VSB RF modulator with NICAM sound

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**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

OTHERS
Power supply 7.5VDC nom. (6 - 9 V)
Power consumption Typ. < 7 W,
Dimensions: 165x105x 20 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 handheld computer or PC (software included)
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)