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## **RF Modulator VSB/VSB med NICAM A2B EVA-200/EVA-210**



- **Högkvalitativ VSB-modulator**
- **Inbyggt NICAM stereoljud (EVA-210)**
- **Avsedd för användning i CATV- och SMATV-anläggningar**
- **Avsedd för PAL, SECAM och NTSC**
- **Låg energiförbrukning, < 6 W**
- **Hög utnivå, 110 dBuV**
- **Utfrekvensområde 47-862 MHz**
- **Utgångar för audio och video**
- **Programmerbar via PC eller Palm**

## DESCRIPTION AND FEATURES

The EVA are Vestigial Sideband (VSB) AM analog, video/audio modulators that can be programmed to different international standards. They are made for adjacent channel operation so that every available channel on a cable TV network can be used. They feature double video and audio inputs so that different program sources can be selected automatically or manually (from external control) at e.g. different time slots. 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. Changed settings activated via Reset control (available at front).

## VIDEO-AUDIO INPUTS EVA-200

One video and two audio inputs are available.

The stereo audio inputs are summed to give the mono audio sound

Video connectors: Type phono, Video 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

## VIDEO-AUDIO INPUTS EVA-210

Two video and audio inputs are available. Normal V/A inputs are Video1 and Audio1. Video2 and Audio2 can be activated or disabled via the control input. It can also be set to Automatic which means that when video is available on Video2 the V/A2 inputs are activated. This can, e.g. be used for automatic selection of a started video recorder.

The secondary V/A input is only available for mono audio transmitting.

These Audio inputs are shared with the stereo R and L inputs. The stereo audio inputs are summed to give the mono audio sound and fed directly to the Nicam stereo encoder.

Video connectors Type phono, Video1 (primary) yellow, Video2 (secondary) black

Video level 1 Vpp, 75 ohm

Audio connectors Type phono, Audio 1/L white,

Audio 2/R red

Audio level 0.77 Vrms nominal, high impedance

(This specification may be subject to change without notice)

## 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 105 dBuV,  
variable 0 - 15dB

Spurious signals  
Suppression > 60 dB

## OTHERS

Power supply 7.5VDC nom. (6 - 9 V)

Power consumption Typ. < 6 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)

Control connector 9P Dsub, male  
Front panel controls Channel setting,  
RF output level, Reset  
Indicator lights on

Operating temperature 0 to +45°C