



TV Stereo Coder

MAIN CHARACTERISTICS:

- Front Panel display and LEDs indicator
- Remote control wired or by RS485 serial
- Compact mechanical structure
- Mono, Stereo or Dual Sound working mode
- Audio input on Front and Rear panel, balanced and unbalanced
- Digital adjustment of the Audio Input Level
- Digital adjustment of the Audio Carrier Level
- Standard programmable by front panel
- 5 or 10 MHz External Reference
- Universal power supply

Elettronika TV Stereo Coder has been developed to give a Stereo Sound to all mono TV transmitting equipment. Its task is to combine the two audio signals in a matrix, depending on the transmission mode, to generate the proper identification signals, to add this to the IF signal input with the video carrier generated by an external video modulator. The output is available on the IF output connector. Both IF output and input connector are on the front panel to easily interconnect the equipment to, for example, a CAV TV transmitter manufactured by Elettronika, but also to many other brand TV transmitter.

Housed in a 19" - 1U rack, the Coder has a very compact structure. A display on front panel helps the

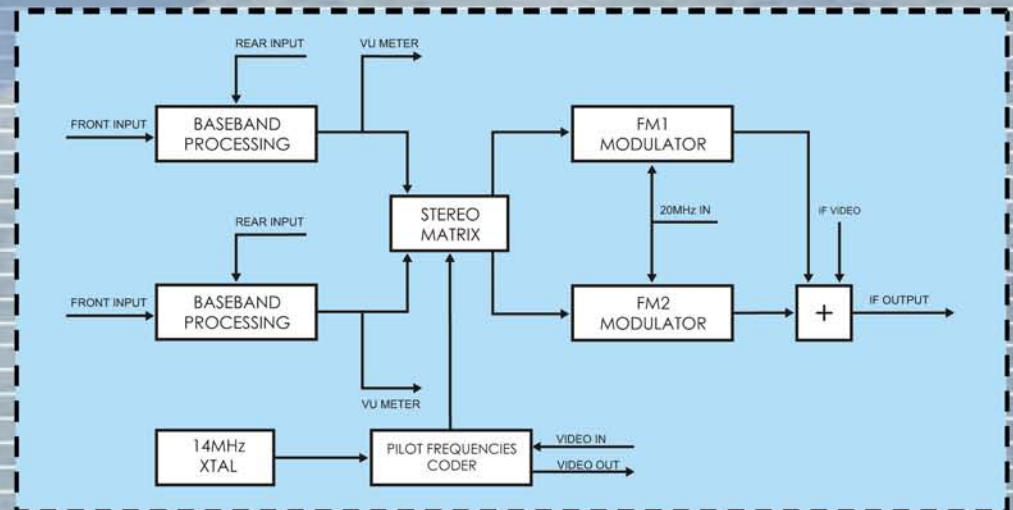
user to program the working modes and to read the input levels. Leds on front panel gives to the operator a quick view of the selected working mode and status.

The Coder can be controlled by remote by a wired telemetry connector or by RS485 serial on rear panel.

Elettronika equipment is severely tested with highly accurate and professional laboratory testing instrumentation and is guaranteed by the ISO-9001 Quality Certification which ensures a perfectly managed production phase. Elettronika equipment are currently used by valuable world-wide customers, which is the best certification for in-field performance over different operating environments.



▲ Rear panel





TV STEREO CODER

Technical characteristics

AUDIO INPUTS

Connector	XLR on Front and Rear panel, selectable
Input Impedance	600Ω or 10kΩ, selectable
InputLevel	2.2Vpp ±8dB, 0.5dB step
Frequency Response (30Hz to 15kHz)	±0.5dB (±0.2 typ.)
T.H.D. (30Hz to 15kHz)	< 0.4% (better then 0.2% typ.)
S/N FM CCIR Ratio	≥ 60dB weighted
	≥ 60dB unweighted (ref. 50kHz)
S/N AM Ratio	≥ 70dB asynchronous
	≥ 50dB synchronous (ref. 100%)
Pre-emphasis	50μs (75μs) or Flat
Low Pass Filter	15kHz, 100kHz
Limitation Circuit	Δnom +1dB
Identification Frequencies	Dual sound: 274.1 Hz
	Stereo: 117.5 Hz
	Mono: unmodulated
Stereo Crosstalk	> 37dB (better then 40dB typ.)

IF INPUT

Connector	SMB on front panel
Impedance	50Ω
Level	-15dBm

IF OUTPUT

Connector	SMB on front panel
Impedance	50Ω
Level	-15dBm

VIDEO INPUT

Connector	BNC on Front Panel and Rear panel, selectable
Impedance	75Ω
Level	1Vpp ±6dB

VIDEO OUTPUT

Connector	BNC on Front Panel and Rear panel, selectable
Impedance	75Ω

GENERAL

AC Power Supply	80 - 260Vac 50/60Hz
Dimensions / weight	19" 1U/3.5kg
Temperature	-5°C to +45°C
Standard	B/G, others on request
External reference frequency input	5MHz or 10MHz
Remote Control	Wired and serial RS485

These specifications are subject to change without notice



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