

Technical specification

(specification subject to change without notice)

RF PARAMETERS

Frequency range	50-80MHz VHF BI 175-230MHz VHF BIII 470-860MHz UHF
Output power	10 W or 50 W externally adjustable
Intermodulation	< -55 dB (with linearity precorrector)
Frequency stability	+/- 1 ppm (with oven) or external synchronized with 5 or 10MHz
Video and Audio carriers	PLL controlled from 10MHz crystal

VIDEO PARAMETERS

Video input level (ex. adj.)	1V pp (75 Ohm). BNC connector
White level limiter (int. adj.)	95%
2T K factor	< 3%
20T chroma. luminance delay	+/- 5 us
Amplitude /frequency response	+/- 0.5 dB (throughout the vision band)
Differential gain	< 5%
Differential phase	< 5°
Line time distortion	< 1%
Field time distortion	< 0.5%
AM noise (weighted)	< 60dB
PM noise (weighted)	< 55dB
Sync pulse compression	< 3%

AUDIO PARAMETERS

Audio input level (ex. adj.)	0 dBm +/- 6 dB. Mini Canon connector
Audio pre-emphasis	50 us or 75 us or flat
Audio input impedance (balanced)	600 Ohm or > 10KOhm, selectable
Frequency response (30Hz to 15KHz)	+/- 0.5 dB
Harmonic distortion	< 0.5%

VARIOUS

Power supply	120 Vac - 240 Vac, 36/48Vcc or together
External interfaces	Logic and analog signal outputs, enable input, RS 232 port
Operating temperature	-10° C to +45° C
Maximum relative humidity	90%, non condensing
Dimension	19" 3HE

MODEL	BAND	OUTPUT POWER	POWER CONSUMPTION
EX-10/1	VHF BI	10W	38W
EX-50/1	VHF BI	50W	90W
EX-10/3	VHF BIII	10W	38W
EX-50/3	VHF BIII	50W	90W
EX-10/U	UHF	10W	38W
EX-50/U	UHF	50W	110W