



# TVX-560/50 PROFESSIONAL UHF TV TRANSMITTER 50 W



The newest UHF TV transmitter **TVX-560/50** covers UHF TV channels from CH 14 -CH 27. It has adjustable power output level from 50 mW- 50 W. This is the best available low power unit on the market. Range is over 16 km in the open are. TVX-560/50 has built-in filters for UHF band. Not available in PAL.

## RF characteristics:

Frequency range	470 MHz -560 MHz
Bandwidth	Broadband
Output Power:	50 W
Max. Output Power:	55 W
Output impedance	50
Output connector	N (others on request)
Spurious and harmonic suppression (ref. to carrier)	< - 60 dBc (-62 dBc typ.)
Power stability	< 1%
Intermodulation (IMD -8, -16, -10 dB)	< -60 dB (typ. - 62 dBc)

## Video characteristics:

Input connector	BNC unbalanced
Input impedance	75
Input signal level	1 Vp.p.
Input return loss	>30 dB
Differential gain	< $\pm 3$ %
Differential phase	< $\pm 3$ °
Amplitude frequency response (in the vision band) Group delay frequency response (in the vision band) S/N ratio	< $\pm 0.5$ dB < $\pm 50$ nS > 64 dB
2T K factor	< 1.8 %
Luminance non linearity	< 2 %

## Audio Characteristics:

Input connector	RCA unbalanced
Input impedance	1K
THD (50 KHz peak deviation at 1 KHz)	< 0.3 %
S/N (50 KHz peak deviation at 1 KHz)	> 65 dB
Deviation from preemphasis curve (20 Hz to 15 KHz)	$\pm 0.5$ dB