



### 550TCP Terrestrial Channel Processor

The DRACOM 550TCP is a high quality, frequency agile channel processor capable of converting any VHF or UHF off-air signal to any standard output channel between 54 and 550 MHz. Input and output frequencies are easily set with front panel pushwheel switches. A/V ratio and output level controls are also provided along with IF loop-thru connections to offer exceptional flexibility.

- Low-cost NTSC channel processor
- Synthesized input tuning of off-air TV channels 2 through 69, set by a front panel pushwheel switch.
- Synthesized RF output on CATV channels 2 through 78 and 95 through 99, set by a front panel pushwheel switch.
- IF SAW filter
- High output power adjustable to +60 dBmV
- IF loop-thru connections for scrambling encoders or IF stereo processors.
- Optional version (550TCP/T) with "T" channel inputs.



### 550TCP Specifications

Input Section	
Frequency Coverage:	54 through 806 MHz Off-air TV channels 2 through 69 (Non-adjacent Channels T7 through T14 available with T channel upconverter option)
Input Impedance:	75 Ohms
RF Input Level:	-10 dBmV to +35 dBmV
Noise Figure:	VHF: 8 dB UHF: 10 dB
Tuner Image Rejection:	VHF: 65 dB UHF: 50 dB
Output Section:	

Frequency Coverage:	82 channels, 54 through 550 MHz; Channels 2 through 78 and 95 through 99
Output Level:	+60 dBmV (typically adjustable from +50 to +60 dBmV)
Video Frequency Response:	20 Hz to 4.2 MHz, $\pm$ 3 dB
L-C Delay:	$\pm$ 50 nanoseconds
Frequency Stability:	$\pm$ 5 PPM of frequency difference between input and output signals
A/V Ratio Adjustment:	-2 to -12 dB relative to input A/V ratio
Spurious Outputs:	-58 dBc minimum, -60 dBc typical (measured at an input level of between 0 to +20 dBmV)
Broadband Noise:	-75 dBc typical, (4MHz noise bandwidth @ $\pm$ 12 MHz)
<b>General</b>	
AC Power Input:	115 VAC ( $\pm$ 10%) 60 Hz, 30 Watts
Operating Temperature:	32° to 122° Fahrenheit, ambient
Weight:	7.0 lbs.
Dimensions:	19" W x 1.75" H x 8.75" D.

Specifications, price, and availability are subject to change without notice or obligation.