



GTC250 Terrestrial TV Converter

GTC250 Terrestrial TV Converter is an all-in-one programmable terrestrial TV signal booster, filter, combiner, channel converter, equalizer, and amplifier. It is suitable for collective antenna application where terrestrial TV signals can be selected, processed, filtered, combined, equalized, and amplified at once. With embedded LCD and key pad, GTC250 is convenient to select output channels and adjust output RF level.



Feature:

- Capture full VHF & UHF channel, convert 32 channels
- Integrated Pre-Amplifier and Automatic Gain Control (AGC)
- 4 inputs to select the best signal from VHF/UHF/FM optimized antennas
- Adjustable output level up to 113 dB μ V with 6 active channels
- Intuitive key pad programming with LCD display for output channel conversion
- Automatic LTE filter selection to minimize 4G signal interference

Specifications

Input	Parameter
Input Port Number (VHF & UHF / FM)	4 / 1
Input Frequency (VHF & UHF / FM)	174~862MHz / 88~108MHz
Automatic Filter for each VHF / UHF Input	VHF: 174 to 240 MHz UHF: 470 to 862 MHz
LTE Protection	Automatic selection: 694MHz, 790MHz or OFF
Input Power Level (VHF & UHF / FM)	108dBuV / 78dBuV Max
Input Return Loss	10dB
Channel Capture/Convert Band	32 max. (Programmable)
RF Output Impedance	75 Ω
Channel Capture Band Bandwidth	6 ~ 9MHz
Output	
Output Port Number	1 main + 1 test port (-30 dB)
Output Port Connectors	F-Type Female
Output Frequency (VHF & UHF / FM)	174 ~ 862 / 88 ~ 108MHz
Output Power Level	113dBuV max. (Programmable)
FM Gain Level	5 or 35 dB
Output Return Loss	10dB
Output MER	35 (with input MER \geq 38 dB)
Environment	
AC Input Voltage	100 - 240V
Power Consumption	10W
Programming Port and Interface	Intuitive Key Pad with LCD Display
Operating Temperature	-10 to 50 $^{\circ}$ C
Dimension (L*W*H)	208mm \times 150mm \times 46mm
Weight	718g (not including power adapter)