

V40-2000 COFDM Modulator 2-programme

- Converts two A/V inputs onto a single COFDM DVB-T TV channel
- Simple front panel set-up with OLED function display. No computer required.
- VHF or UHF channel output for SD programmes
- PSI generation: SDT, NIT, LCN
- Adjustable RF output level
- Modular format for wall/bulkhead or DIN rail mounting

The V40-2000 COFDM takes 2 A/V signal sources and modulates them into a single UHF DVB-T channel in standard definition compatible with Freeview set-top boxes and IDTV's.

The modulator has been designed to be simple to set up by the front panel removing the need to use a computer or handset. A single DTT channel can be created in the VHF or UHF bands for use with larger, more complex commercial SMATV systems. Compatible with the format of the V90-440 Quad single channel filter amplifier.



Model	V40-2000
Input standard	PAL (B, D, G, I, M, N) : SECAM , NTSC (M & 4.43)
Video input	20Hz to 6MHz
Level / Impedance	1V ± 0.1V / 75Ω
Audio input	20Hz – 15kHz
Level / impedance	775mV/10kΩ
Level adjustment	+6 to -6 / 2dB steps
RF Output Level / Impedance / Frequency range	90dBμV / 75μΩ / 110 -862MHz
Level adjustment	0 to -10dB /1dB steps
Frequency range of RF loop-thru	47 – 2150MHz
Combining loss in RF loop-thru	1.5dB
Return loss	≥10dB
Fine tuning of RF carrier frequency offset	±125kHz / 250kHz in 0.25MHz steps
IF Bandwidth	7 / 8MHz
S/N ratio weighted	>55dB
A/V ratio	12/16dB
IMD2 / IMD3 spurious level	<-60dB
Current consumption	12V 0.47A Use V40-125 PSU
Operating temperature	0°C - +50°C
Dimension / Weight packed	198 x 107.5 x 36mm / 0.9kg

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