

Mini Fixed Channel TV Modulator

GFM100 is a modular mini fixed channel TV modulator for adjacent applications in CATV, CCTV or Video Surveillance. The input video and audio signals are modulated at the appointed TV frequency with adjustable modulation, audio deviation, AV Ratio and RF output. GFM100 can be used with external 12V DC power adapter or mounted on the 19" 2U Chassis.



Features:

- Any Appointed adjacent Channel RF Output in 45~862MHz
- Modulation level, Audio Deviation, AVR and RF Output Adjustable
- Saw Filter and PLL Technology
- Modular Design for Stand along or 19" 2U Chassis

Specifications:

RF Output	
Output Channel	Any appointed NTSC or PAL Channel
Output Level Adjustment	-20dB Continuously Adjustable
Output Impedance	75 Ω
Output Level	50dBmV (Maximum)
Frequency Stability	\pm 5KHz
Spurious Output	-60dB
Audio Input	
Input Level	0.5V(rms)
Subcarrier Frequency	4.5MHz \pm 2KHz
Video Input	
Input Level	0.6 ~ 1.5Vp-p for 87.5% modulation
Frequency Response	\pm 1.0dB @ 30Hz to 4MHz
GENERAL	
Audio Video Ratio	10 ~ 18dB Adjustable, 1dB Step
Power Supply	12 V DC / 170mA
Operational Temperature	0°C ~ 70°C
Dimensions	104 × 29 × 150 mm

Ordering Information:

GFM100-A-B-C Mini Fixed Channel TV Modulator

A (TV System): N_NTSC, P_PAL D/K, PB_PAL B/G

B: TV Output Channel Number

C (Power Adapter): D_Default, C_CE certified, P_PSE Certified, U_UL Certified