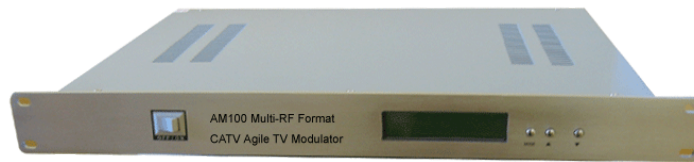


SUNNISKY AM100 Economical Adjacent Frequency Multi-RF Format Agile CATV TV Modulator

The SUNNISKY AM100 is an economical adjacent agile channel audio/video modulator for CATV headend system application with multi-RF TV format. It uses SAW filter to achieve optimum VSB (Vestigial sideband) and harmonics suppression. The phase lock of CPU and its control circuit provide the better performance. It realizes low non-linear distortion and +50dBmV standard RF output level by the independent hybrid amplifying module, and is tunable for any CATV channel frequency from 45 to 870MHz.

In particular, RF output with PAL D/K, PAL B/G, NTSC or SECAM TV format could be directly selected on its front panel, and AM100 could be easily control LCD by advanced micro-processor (CPU).

So it offers to user one economical equipment with better performance and flexibility for the lowest cost. Also SUNNISKY AM100 is the best choice for CATV headend system, especially for residential quarters or In-Hotel, school etc.



Feature

- Built-in magic upconverter module, its small size and low profile will fit all of applications
- Control LCD by advanced micro-processor
- LCD display and easy to operate
- Compatible with PAL D/K, PAL B/G, NTSC and SECAM TV format, which could be directly selected by operation to its front panel
- 45 to 870MHz agile output with any one RF frequency
- +50dBmV RF output level by hybrid amplifier with low distortion products
- High performance SAW Vestigial sideband filter for superior adjacent channel performance to assure ultimate feature
- -60dBc spurious performance in full 870MHz bandwidth
- Better video and audio linearity for superior picture quality
- Automatically restored after power failure
- Running continuously with excellent stability

Specification

RF Output	
Frequency range	45~870MHz under PAL D/K, PAL B/G, NTSC, SECAM format
RF output level	20~50dBmV (Max.), adjustable from front panel
Spurious output	60dB below video carrier with A/V ratio @ -15dB
Vestigial Sideband Response	<-60dB
Frequency stability	±5 KHz
Aural carrier control range	-13 to -20dB below visual carrier (Continuously Adjustable)
Output impedance	75Ω
Reflect loss	<-16dB
VIDEO Input	
Input type	Negative Sync. Composite Baseband Video
Video input level	1.0Vp-p for 87.5% modulation depth
Video impedance	75Ω, unbalance
Video frequency response	±0.75dB
Chrominance / Luminance (C/L) delay	±45ns
Differential gain	≤5%
Differential phase	≤5 deg.
Signal to Noise Ratio (S/N)	≥48dB

AUDIO Input	
Audio carrier	4.5/5.5/6.0/6.5MHz
Pre-emphasis	50 μ s
Audio input level	0dBm \pm 6
Audio impedance	10K Ω
Audio frequency response	\pm 1.5dB Max. (50Hz ~ 15KHz)
General	
Input voltage	220V or 110V AC (When placing order, need to confirm)
Input power	20W
Net Weight	2.4Kg
Gross Weight	2.6Kg
Net Dimension	483mm \times 195mm \times 45mm
Dimension	510mm \times 250mm \times 66mm

Note: All specifications are subject to change without notice.



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