

SUNNISKY CAM100 Compact Analogue CATV Headend Modular System

Being controlled by advanced micro-processor, SUNNISKY CAM100 is one compact analogue CATV headend system, and it could offers a compact CATV Headend system including satellite receiving, agile modulating, combining, amplifying module with a 19' chassis and 8 slots for analog plug-in modules. It converts the AV signal to the traditional RF carrier such as PAL, NTSC or SECAM format. User can use it to easily build up a mini-analogue CATV headend system with high flexibility. So by aid of this CAM100 Mini CATV system, we could rapidly get one highly integrated and stable analogue CATV system solution with high flexibility.



Feature

- 8 slots for independent digital or analog TV modulator modules
- Easy configuration through built-in control unit
- PAL DK or PAL BG or NTSC or SECAM RF output format could be selected
- Mono or PAL BG / SECAM A2 stereo Audio Left 5.5MHz, Right 5.75MHz signal input could be selected
- 47MHz to 870MHz full band adjacent agile alignment
- 100dB μ V/ch RF output level
- Spurious less than -60dBc
- Main Frame supports all future modules, rack mount or wall mount
- Led display on front panel and user friendly controls
- Running continuously with excellent stability

Specification

RF Output	
Frequency range	47~870MHz with 250KHz step under PAL D/K, PAL B/G, NTSC, or SECAM format (Before ordering it, please confirm what TV format is)
RF output level	82~100dB μ V, adjustable from front panel
Spurious output	60dB below video carrier with A/V ratio @ -15dB
Vestigial Sideband Response	<-60dB
Frequency stability	\pm 5 KHz
Output impedance	75 Ω
Reflect loss	<-12dB
VIDEO Input	
Input type	Negative Sync. Composite Baseband Video
Video input level	1.0Vp-p for 87.5% modulation depth
Video impedance	75 Ω , unbalance
Video frequency response	\pm 1dB
Chrominance / Luminance (C/L) delay	\leq \pm 35ns
Differential gain	\leq 3% @ 87.5% Modulation depth
Differential phase	\leq 3 deg. @ 87.5% Modulation depth
Signal to Noise Ratio (S/N)	\geq 50dB
AUDIO Input	
Pre-emphasis	50 μ s

1 st Sound Sub-Carrier to Video	5.5MHz±1KHz (PAL B/G)
Video to 1 st Sound power ratio	13dB (Type)
2 nd Sound Sub-Carrier to Video	5.7421875MHz±500Hz (only PAL B/G or SECAM, A2 stereo)
Video to 2 nd Sound power ratio	20dB (Type, only PAL B/G or SECAM, A2 stereo)
Sound Modulation Deviation	±50KHz @ 0dBm±6dB Audio input level
Sound Harmonic Distortion	≤0.8%
Signal to Noise Ratio (S/N)	≥60dB
General	
Input voltage	100 to 240V AC, 50~60Hz,
Input power	160W

Note: All specifications are subject to change without notice.



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