



WAM-550N/WAM-550SL AGILE MODULATOR (NTSC, PAL-B, PAL-D & PAL-I AVAILABLE)
WAM-860N/WAM-860SL

FEATURES

- Front Panel Control, CPU Control, 3 LED Display, Easy to Operate
- 47 ~ 860MHz Output Frequency Agility
- High Output Level, Low Spurious
- With SAW Filter for Accurate Side Band Response and High Adjacent Rejection
- Adjacent Channel Capability
- Low Out-of Band Noise for Multiple Modulator Installation
- Video Modulation and Audio Deviation Level Adjustable
- Sound Carrier Level Adjustable
- High VSB Attenuation
- External IF Loop-Through Capable to any Scrambling
- Overmodulation LED Indicator
- Last Channel Memory
- Field Defeatable Audio Pre-emphasis for BTSC Stereo/Mono Baseband Inputs
- 2 PLL Synthesized Channel Control
- Meets F.C.C. Offset and Accuracy Requirement
- Built-in Switching Mode Power Supply (S.M.P.S.) for Easy Installation
- 19" EIA Rack Mountable

SPECIFICATIONS

RF	
Output Frequency Range	: 47~860MHz Adjustable WAM-860N/SL 47~550MHz Adjustable WAM-550N/SL
Output Level	: 50dBmV Typical (WAM-550N/860N) 60dBmV Typical (WAM-550SL/860SL)
Output Level Range	: 15dB, Continuously Adjustable
V/A Carrier Power Ratio	: -9~-30dB Continuously Adjustable
Spurious Harmonics	: ≥ 55 dB below Video Carrier
Output Impedance	: 75 Ω
Frequency Accuracy/Stability	: within ± 5 KHz (Meets F.C.C. Socket 21006 specs.)
Video Modulation Depth Indicator	: Set @87.5%, Adjustable to 90% Typical

IF	
IF Output Level	28dBmV (Video Carrier)
Video IF Carrier Frequency	NTSC : 45.75MHz PAL-B : 38.9MHz PAL-D : 38.0MHz PAL-I : 38.0MHz
Audio IF Carrier Frequency	NTSC : 41.25MHz PAL-B : 33.4MHz PAL-D : 31.5MHz PAL-I : 32.0MHz

VIDEO

Input Level	Factory Set for 87.5% Modulation for a Video Input of 1.0Vp-p
Input Type	Composite Video Negative Sync
Video Frequency Response	± 2 dB
Modulation Range	0~95% Adjustable
Input Impedance	75 Ω

AUDIO

Input Level	400mVp-p for ± 25 KHz Dev.
Audio Frequency	NTSC : 4.5 \pm 3KHz above Video PAL-B : 5.5 \pm 3KHz above Video PAL-D : 6.5 \pm 3KHz above Video PAL-I : 6.0 \pm 3KHz above Video
Audio Harmonic Distortion	0.5%
Audio Frequency Response	± 0.5 dB
Input Impedance	Hi-Z
BTSC Stereo/Mono (*)	Field Defeatable Audio Pre-emphasis for BTSC Baseband Inputs
Audio Overmodulation LED Indicator	25KHz ± 2 KHz

GENERAL

Power Requirement	90~260V AC Switching 50/60Hz
Temperature Range	0~50°C
Rear Panel Connectors	F-Type (Video In, IF Out, IF In and RF Out) RCA Type (Audio In)
Dimensions	19"(L) x 9-1/2"(W) x 1-3/4"(H)
Packing	1 Set/Inner Box 5 Sets/ Carton/17 kgs/3.3 cuft

(*)NOTE: Clip out of R4 on A/V Modulator Board Defeats Pre-emphasis for Stereo Capability

FRONT PANEL OPERATION

- 1 Power Indicator
- 2 RF Output Level Adjustment
- 3 Channel Selector
- 4 TV/CATV/HRC Selector: Pull out the small panel below and use the DIP Switch inside to select TV/CATV.HRC
- 5 LED Channel Indicator
- 6 Audio Overmodulation Indicator
- 7 Audio Deviation Level Adjustment
- 8 Audio Carrier Level Adjustment
- 9 Video Modulation Level Adjustment
- 10 Video Overmodulation Indicator