

SVM860 SVM860S SVM860SAP

Features

- Re-broadcast quality performance specifications match those of fixed channel modulators
- Integrated BTSC Stereo & SAP (optional)
- 60 dBmV output for optimum carrier-to-noise performance

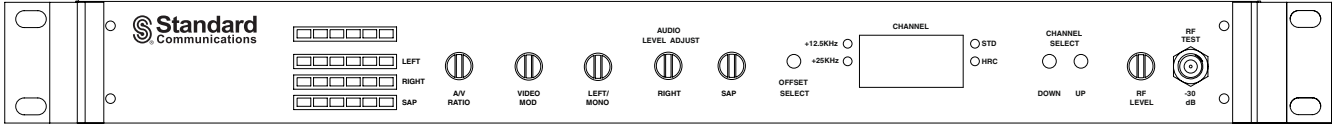


- Precision SAW filter for superior adjacent channel performance enables drop-in channel expansion
- State-of-the-art digital phase-locked loop (PLL) design guarantees precise drift-free operation
- Superior design including automatic band-splitting filters for excellent carrier-to-noise ratio >65 dB)
- Bright LED bar graph provides simple modulation set-up separate video, audio left right
- Microprocessor tuning control provides digital display with push-button channel selection for ease of installation, configuration and servicing
- Rear panel interfaces accept baseband video and three audio formats to provide maximum installation flexibility
- Composite and separate audio and video IF loops allow compatibility with encoders, ghost cancellers and video override applications
- Both EIA STD and HRC frequency vplans included

Frequency Agile CATV Modulator

The **SVM860** series of agile modulator are frequency agile audio/video professional, re-broadcast grade, microprocessor controlled NTSC analog CATV modulators. Attractive and easy to operate, the sleek design highlights the useful front panel modulation bar-graphs and channel indicators. The simple push button tuning interface allows the **SVM860** to be configured for CATV EIA standard or HRC channel plans with an RF output of 60 dBmV. The front panel output test point provides a quick reference test point prior to channel combining equipment, saving time and service interruption during setup and maintenance. Composite/audio/video IF loops provide compatibility with scrambling encoders, ghost cancellers, and EAS override applications. The **SVM860** accepts either balanced mono baseband or 4.5 MHz subcarrier input. The **SVM860S** features rear panel interface connections for input of monaural or discrete left and right audio. The integrated stereo encoder in the **SVM860S** will provide a BTSC stereo encoded output channel. Audio subcarrier (4.5 MHz modulated audio) input connections are provided to bypass the internal stereo encoder for compatibility with external units. The **SVM860SAP** removes the 4.5 MHz input and provides a third balanced audio input in addition to the left/right inputs and retains the mono/stereo switch to allow the most flexible input choices from mono to stereo to stereo & SAP.

2 SVM860/SVM860S/SVM860SAP



Front Panel of SVM860SAP



Rear Panel of SVM860SAP

Product SPECIFICATIONS

RF OUTPUT

Frequency Range	54-860 MHz
Channels	CATV 2-135
Level	60 dBmV min
Level Adjustment	20 dB
Impedance	75 ohms F-female
Frequency Stability	±3 kHz
Audio/Video Ratio	-10 to -20 dB Adjustable
Output Return Loss	-18 dB
In Band Spurious	-62 dB
Out of Band Spurious	-65 dB
VSF Response	-60 dB min
C/N (In-Band)	>62 dBc
C/N (Out-of-Band)	>65 dBc

IF OUTPUT

Video Level	38 dBmV
Audio Level	22 dBmV
Composite Level	35 dBmV
Video Stability	±3 kHz
Audio Stability	±2 kHz
Impedance	75 ohms

4.5 MHz INPUT

Level	37 dBmV
Impedance	75 ohms

VIDEO INPUT

Level	.7-1.0 V p-p
Frequency Response	±1.5 dB max
Impedance	75 ohms
Differential Gain	<3% typ
Differential Phase	<1° typ
Chrom / Lumin Delay	±8 ns
Hum and Noise	-60 dB
Connector BNC	75 ohm

AUDIO INPUT

Level - Left/Mono Audio	0.5 V p-p - 1 V p-p
Level - Right Audio	0.5 V p-p - 1 V p-p
Level - SAP	0.5 V p-p - 1 V p-p
Impedance	600 ohms terminal strip
Preemphasis	75 µs switchable (mono)

BTSC STEREO

Frequency Response	1 dB, 50 Hz - 12 kHz
Total Harmonic Distortion	<2%
S/N	60dB

SAP (Secondary Audio Program)

Frequency Response	1 dB, 50 Hz - 8 kHz
Total Harmonic Distortion	<2.5%

GENERAL

Power Input	90-260 VAC, 28 W
Operating Temperature	-10°C to 50°C
Dimensions	19"(L) x 12"(D) x 1.75"(H)
Weight	7.8 lbs. - 8.2 lbs.

ORDERING INFORMATION

SVM860	Agile Modulator 860 MHz
SVM860S	Agile Stereo Modulator 860 MHz
SVM860SAP	Agile Stereo+SAP Modulator 860 MHz

RELATED PRODUCTS

SVM550	Agile Modulator 550 MHz
TVM860	Agile Modulator 860 MHz
TVM860S	Agile Stereo SAP Modulator 860 MHz

Specifications subject to change without notice. For the latest information go to www.standardcom.com

