

SCA-100 Dual 67 KHz SCA Generator



Two Independent 67 KHz SCA Generators



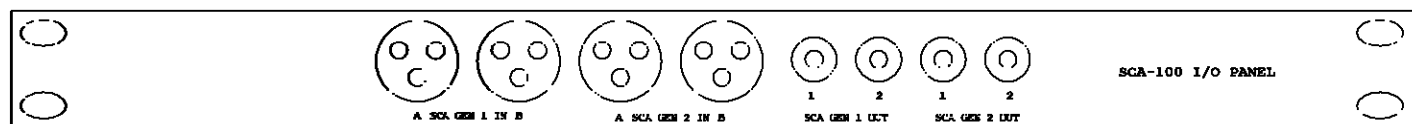
The SCA-100 Dual 67 KHz SCA Generator is the first fresh standalone design of a sub carrier generator in many years. DSP based the SCA-100 brings a new level of performance and utility to SCA users. There are two independent SCA generators built into a single rack unit chassis each has switchable inputs for redundancy of program feed and two outputs with individual level controls. Setup of input and output level, On/Off control, mute and input switching functions are done with the provided BDI Stack Graphical User Interface for use with Windows operating systems. Remote control of the unit is via SNMP so it is compatible with modern SNMP based remote controls and software. Input is balanced XLR female and outputs are 50 Ohm BNC connectors on a provided interface panel.

The SCA-100 Dual 67 KHz SCA Generator has updated features not found in previous designs including a DSP based signal path for the best audio quality achievable. A completely state-of-the-art monitor and control system developed using SNMP v2 to access the unit for making adjustments and controlling the unit locally or from a remote location. Previous designs forced the engineer to go to the site in order to make adjustments. In addition because the unit has an Ethernet SNMP interface it can be quickly connected to SNMP based remote control systems and software.

Technical Specifications

Input:	2—switchable XLR balanced 0 dBm 0.775 Vrms provides 6 KHz deviation
Output:	2—50 Ohm BNC with individual software based output control 4 V P-P maximum
Sub Carrier Frequency:	67 KHz +/- 0.5% over environmental temperature range stated below
Frequency Response:	+/- 0.25 dB from 10 Hertz to 10 KHz—5 KHz low pass filter switchable
Pre Emphasis:	75 or 150uS selectable
Total Harmonic Distortion:	Less than 0.5% across audio passband
Remote Control:	Parallel GPIO, Ethernet SNMPv2 and RS-232/485 Serial—Windows based BDI Stack GUI Supplied
Power Requirements:	100-240 VAC 50-60 Hertz @0.5A
Environmental:	0-50 degrees C. Non Condensing Atmosphere
Mechanical:	19" X 10" D X 1.75" H—Standard 1 RU EIA Rack enclosure
Shipping Weight/Dimensions including Carton :	15 lbs., 22" LX 14" W X 7" H

BDI reserves the right to make changes to specifications, descriptions and depictions contained on this data sheet.



SCA-100 Audio Interface Panel Supplied with unit