

# SCB-100N SYNC COLOR BAR GENERATOR

## FEATURES

- Industry's most cost-effective stand-alone NTSC master timing generator
- 4 outputs of color black, 2 each of sync, blanking and subcarrier, make it ideal for basic system configurations
- A V1 (Color Frame ID) pulse output ensures clean edits
- Monaural audio tone output
- Grass Valley's exclusive encoded subcarrier output allows use of STM 85N source timing modules to simplify system design

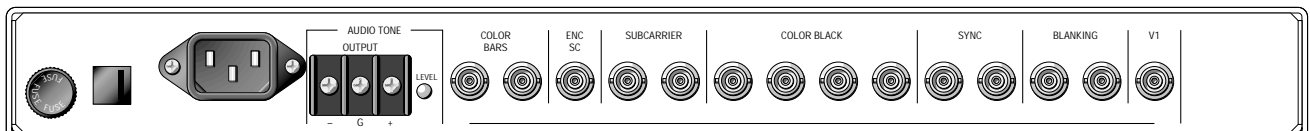


SCB-100N/SCB-200N Sync Color Bar Generators.

For your local Grass Valley Group sales and technical support representative see the list in the back of this catalog or inside the U.S. call: 1-800-547-8949.

## SCB-100N SYNC COLOR BAR GENERATOR

Quality and reliability are built into each self-contained 1 RU frame of this color bar generator. The SCB-100 is designed for professional and broadcast applications. Frequency stability and SC/H phase accuracy equal to those of the industry-standard GV 9500 Series.



SCB-100N Rear panel connector layout.

## SPECIFICATIONS

### OUTPUT

- Color Black:** 4 each
- Sync, Blanking, Subcarrier:** 2 each
- Encoded Subcarrier, V1:** 1 each
- Color Bars:** 2 each
- Pulse Level:**  $4 V_{p-p}$ , neg going,  $\pm 5\%$
- Subcarrier Level:**  $2 V_{p-p}$ ,  $\pm 5\%$
- Color Bars:**
  - Luminance Amplitude Error:  $\pm 1\%$
  - Chrominance Amplitude Error:  $\pm 2\%$

### PERFORMANCE

- Subcarrier Frequency:** 3.579545 MHz
- Freerun Stability:**  $\pm 5$  Hz from 0 to 50°C
- Sync Timebase Error:**  $< 2$  ns
- SC/H Phase Stability:** 5°

### AUDIO TEST GENERATOR

- Signal:** 1 kHz ( $\pm 10\%$ ) sine wave (monaural)
- Level:** Adjustable from -4 dBu to +8 dBu
- Distortion:**  $< 1\%$  THD

### Output Impedance:

- $< 50 \Omega$ , balanced
- MECHANICAL AND POWER**
- Rack Equipment:** 4.45 x 48.30 x 26.04 cm (1.75"H x 19"W x 10.25"D)

### Input Power:

- 100-125 VAC, 47-63 Hz
- Power Consumption:** 30 W max
- INDICATORS/CONTROLS**
- Indicators:** Reference present, sub-carrier locked, power
- Controls:** Audio gain

## ORDERING INFORMATION

**SCB-100N**  
Sync Pulse Generator.

**SCB-100MAN**  
Product Manual.