

# Cobalt Digital BBG-1060-TG2-REF1 3G/HD/SD-SDI Signal Generator w CVBS Out/AES/AA

## SDI Inputs/Outputs

(1) SDI User Input (75 $\Omega$  BNC)

Up to (4) 75 $\Omega$  BNC outputs

SDI Formats Supported: SMPTE 259M, SMPTE 292M, SMPTE 424M

SDI Alignment Jitter: 3G/HD/SD: < 0.3/0.2/0.2 UI

Timing Jitter: 3G/HD/SD: < 2.0/1.0/0.2 UI

## CVBS Video Output

(1) 75 $\Omega$  BNC output. CVBS output functional only when selected path is carrying SD-SDI.

## Discrete Audio Outputs

AES-3id 75 $\Omega$  outputs (8 pair (16-Ch) max)

Balanced analog audio outputs (4-Ch max)

(I/O conforms to 0 dBFS = +24 dBu)

Analog Output Impedance: < 50  $\Omega$

Analog Reference Level: -20 dBFS

Analog Nominal Level: +4 dBu

Analog Max Output Level: +24 dBu (0 dBFS)

Analog Freq. Response:  $\pm 0.2$  dB (20 Hz to 20 kHz)

Analog SNR: 115 dB (A weighted)

Analog THD+N: -96 dB (20 Hz to 10 kHz)

Analog Crosstalk: -106 dB (20 Hz to 20 kHz)

## Timecode Insertion/Burn-In

Burn-in and embedded video output timecode selected via user controls from input video SMPTE embedded timecode and/or audio LTC. Burn-in enable/disable user controls. Configurable for burn-in string of seconds, seconds:frames, seconds:frames:field. User controls for text size and H/V position.

## Text Burn-In

(2) independent strings supported. Independent insertions controls for enable/disable and enable upon LOS. User controls for text size and H/V position.

## User Audio Delay Offset from Video

Bulk delay control: -33 msec to +3000 msec.

Per-channel delay controls: -800 msec to +800 msec

## GPIO/COMM

(2) GPI configurable to select input routing. (2) GPO configurable to invoke upon input selected. RS-232/485 comm port. All connections via rear module RJ-45 GPIO/COMM jack.

## Frame Reference Input

(2) reference from frame bus. SMPTE 170M/318M "Black Burst", SMPTE 274M/296M.

Return Loss: >35 dB up to 5.75 MHz