

**BBG-S-TO-H • 3G/HD/SD-SDI-To-HDMI with Audio De-Embedder**



The Blue Box **BBG-S-TO-H** SDI-to-HDMI throw-down converter unit is a part of the BlueBox™ group of compact, rugged, and portable converter boxes.

Blue Box can power directly via USB to get its power from video monitors or other equipment. BBG-S-to-H provides direct conversion from SMPTE 259M, 292M and 424M SDI to HDMI. Easy to use DIP switch sets YPbPr or RGB colorspace and HDMI or DVI output modes.

Full group 1/2 conversion to HDMI audio is provided, with user control of C/LFE channel line-up as well as group 1/2 selected audio pair de-embed to a stereo line-level audio output pair.

**FEATURES**

Rugged construction backed with a five-year warranty

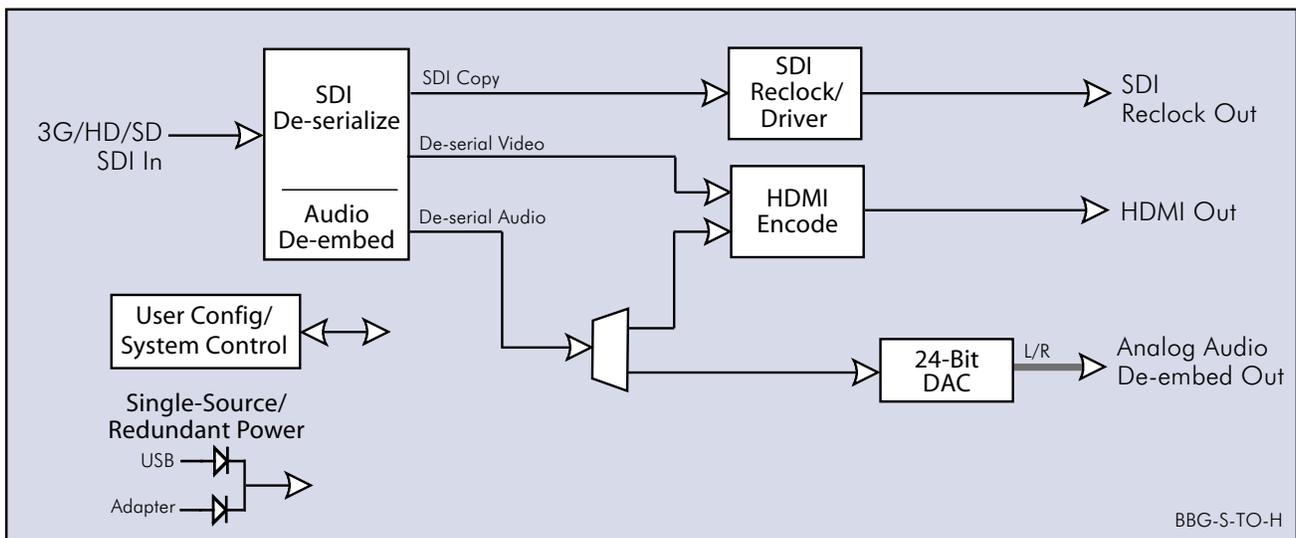
Selectable YPbPr or RGB colorspace and HDMI/DVI output modes

Full 5.1 channel audio conversion to HDMI audio with selectable C/LFE line-up control. Audio de-embed of selected group 1/2 pair to analog audio output pair.

Powers directly from host equipment USB or standard corded power adapter. USB power and corded adapter can be simultaneously used to provide redundant power sourcing.

SDI input copy output allows converter to provide SDI pass-thru

Compact size and low weight design easily affixes directly to camera or host device chassis



**BBG-S-TO-H • 3G/HD/SD-SDI-To-HDMI with Audio De-Embedder****SPECIFICATIONS****Standards Supported**

SMPTE 259M, 292M, 424M  
(10-bit video processing)

**Inputs**

SDI (75Ω BNC)  
DC power (via USB or adapter)

**Outputs**

HDMI (HDMI 1.4 compliant). HDMI output can be set as DVI-D (limited to SMPTE HD formats).  
SDI reclocked input copy (75Ω BNC)  
(2) analog audio (unbalanced consumer RCA)

**Latency Delay**

SD: <30 us  
HD: <17 us  
3G <8 us

**Audio Conversion Format**

48 kHz sampling, 24-bit  
SDI groups 1/2 to HDMI Ch 1-8 (with user-selectable C/LFE line-up)

**Power**

5-16 VDC, 2.4 W

**DC Power Connectors**

USB Mini and coaxial locking connector (for use with supplied Cobalt power adapter)

**Dimensions (WxHxD)**

5.5" x 3" x 1" (including connector projections)  
(139 x 77 x 26 mm)

**Operating Temperature Range**

-4°F to 158°F  
(-20°C to 70°C)

**ORDERING INFORMATION**

**BBG-S-TO-H** HD/SD-SDI-to-HDMI with Audio De-Embedder Converter Unit

**BBG-MB** Mounting Bracket