

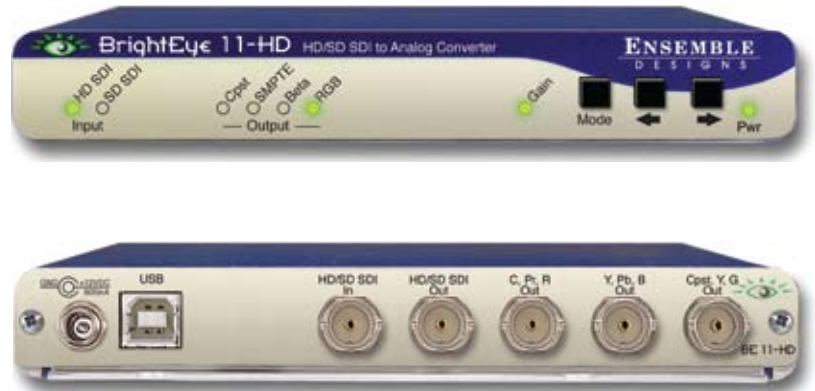
BrightEye 11-HD

HD / SD SDI to Analog Converter

BrightEye 11-HD provides HD or SD digital to analog video conversion with the full range of analog output formats available for HD and SD. When an HD input is present HD RGB or YPrPb are output. When an SD input is present Beta, SMPTE, RGB or composite with simultaneous Y/C is output.

12 bit processing and conversion at 8 x oversampling mean the best looking images possible.

Output format and gain are controlled from the front panel. A status display indicates input presence. Video levels can be adjusted through BrightEye Mac or PC software.



- Use with HD or SD Monitors, VTRs and Projectors
- SD SDI Input
- Analog Composite Output
- Component, S-Video Output
- 12 Bit Processing

Serial Digital Input

Number One
 Type HD Serial Digital 1.485 Gb/s
 SMPTE 274M, 292M or 296M
 or SD Serial Digital
 270 Mb/s SMPTE 259M-C
 Impedance 75 Ω
 Return Loss >15 dB
 Max Cable Length 100 meters for HD
 300 meters for SD
 (Belden 1694A)

Automatic Input Cable Equalization

HD Standards Supported:

1080i (SMPTE 274M -4,5,6) 50, 59.94 or 60 Hz
 720p (SMPTE 296M -1,2,3) 50, 59.94 or 60 Hz
 1080p (SMPTE 274M -9,10,11) 23.98, 24, 25 Hz
 1080sF (RP211 -14,15,16) 23.98, 24, 25 Hz

Analog Output

HD input yields HD analog out,
 SD input yields SD analog out

Number One component or
 one composite and one Y/C
 Type Beta/SMPTE, Y, Pr, Pb
 RGB
 NTSC, PAL Composite
 NTSC, PAL S-Video
 Return Loss >40 dB
 Output DC None (AC coupled)

Serial Digital Output

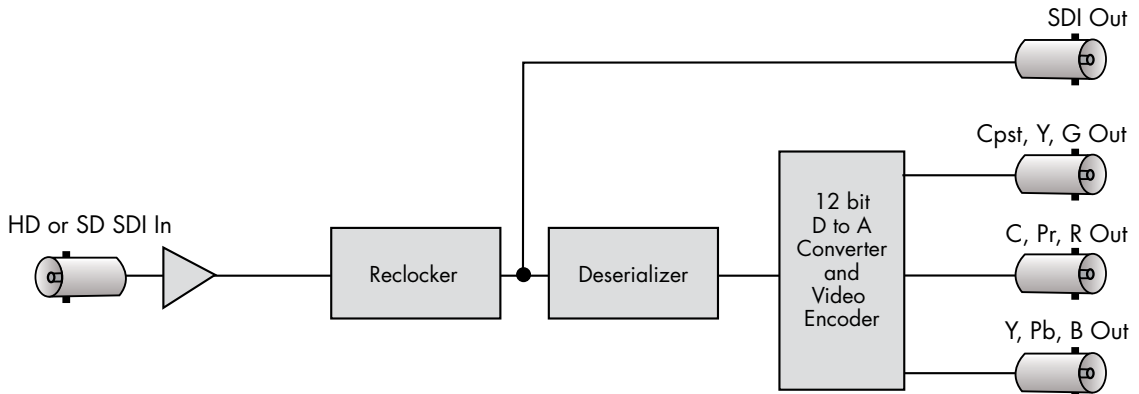
Number One
 Type Follows input
 Impedance 75 Ω
 Return Loss >15 dB
 Max Cable Length 100 meters for HD
 300 meters for SD
 (Belden 1694A)

SDI to Analog Performance

Bit Resolution 12 bit output reconstruction
 8 x oversampling
 Signal to Noise >65 dB
 Frequency Response ±0.1 dB, 0 to 5.5 MHz
 K Factor <1%
 ScH Phase Error <±2 degrees
 Differential Phase <1 degree
 Differential Gain <1%

General Specifications

Size 5.625" W x 0.8" H x 5.5" D
 (143 mm x 20 mm x 140 mm)
 including connectors
 Weight 1 lb 12 oz
 Power 12 volts, 7 watts
 (100-230 VAC modular power
 supply not included)
 Temperature Range 0 to 40° C ambient
 Relative Humidity 0 to 95%, non-condensing



HD SDI In Yields HD Analog Out
 SD SDI In Yields SD Analog Out