

8020

HD/SD Dual-Rate Digital to Analog Dual Output with Reticules

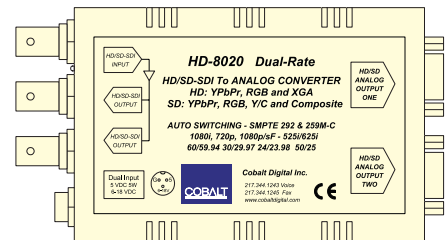


The 8020 is a compact HD/SD dual-rate digital to analog converter. The 8020 supports SMPTE-292 1080i, 720p and SMPTE 259M-C 525/625 SD signals. HD signals are converted to HD YPbPr or GBR wide band HD analog signals with H/V or embedded tri-level sync. SD signals are converted to SD analog component, composite and Y/C with embedded sync. User programmable overlay reticules are available on both HD and SD outputs. All conversions are 12-bit encoded from 10-bit input video resolution.

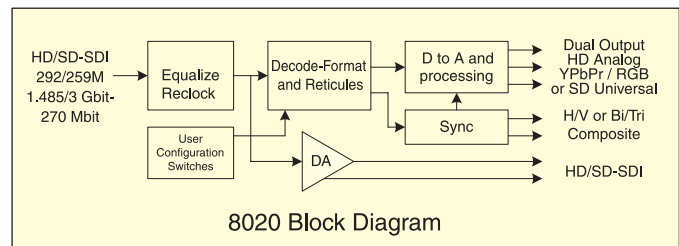
Features

- Dual analog outputs allowing dual monitoring
- Auto standard detect and configuration SMPTE 292/259M-C
- Outputs wideband analog YPbPr, RGB
- Four user programmable reticules
- High quality HD15 video outputs connectors with BNC cable adaptors
- Two HD-SDI equalized and relocked outputs
- Full 10-bit video path and 12-bit encoding DACs
- Tri-level, bi-level H/V HD sync
- Compact rugged steel chassis
- External user configuration switches
- Adjustable output gain control
- Five year warranty

8020 Configuration



8020 Block Diagram



Specifications

Input

1.485 Gbit HD-SDI SMPTE 292 compliant
 1080i 720p in the following rates:
 60/59.94/50/30/29.97/24/23.98 (p/sF)
 720p 50/30/29.97/24/23.98 & SD 525/625

Output

Two equalized and relocked HD-SDI input copies and two analog HD outputs (YPbPr or RGB) or SD outputs (YPbPr, RGB, composite, Y/C) on HD15 connectors

Frequency Response

Y:30MHz +/- 0.25 dB, Pb/Pr:15 MHz +/- 0.25 dB

Overlay Reticules

Four presets types: center cross, 4x3 safe area, 4x3 full aperture, and 16x9 safe area with user programmable size and thickness. Colors: black, white, red, blue or user defined color

Sync Output

HD: tri-level, bi-level, H/V
 SD: bi-level

Power

5-18 VDC @ 4 watts

Requires Power Supply PS11 or PS12

Size

5.5" x 3" x 1" (139x77x26mm)