

5590

A/D Analog Composite, Y/C, Component to 10-bit SDI with EDH



The 5590 is a legacy* digital frame compliant analog to 10-bit serial digital converter with EDH. The 5590 accepts composite, Y/C and component YPbPr analog input signals and outputs SMPTE 259M-C 270 Mbit SDI with EDH. Differential inputs are included for ground loop rejection. A 4, 3 or 2-line comb or notch filter is user configurable for Y/C separation in composite mode. All modes have 2X 8:4:4 input over sampling. An output jitter VCXO reduces 270 Mbit jitter down to 2Hz. Full user digital proc. control, with user memory allows digital adjustment of gain, DC offset, saturation and hue. Visit www.cobaltdigital.com for complete product information.

Features

- Composite, component YPbPr and Y/C inputs
- Supports component BetaCam™, MIITM and SMPTE/N10
- Differential inputs for power hum rejection
- 10-bit A to D and digital video path
- User selectable (on/off) 75 ohm termination
- 4 or 3-line adaptive comb filter for composite mode
- Four 270 Mbit SDI outputs with EDH
- Internal color bar generator
- User configuration switches
- User proc. configuration control
- Manual or automatic input gain control
- Five year warranty

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5821

HD/SD Down Converter with SD Pass Through and Analog Outputs

The 5821 accepts dual rate HD/SD SMPTE-292/259M-C digital inputs and down converts incoming HD signals with full re-aspect controls. It passes SD signals and re-aspects if needed. Outputs are SD-SDI and SD analog composite. The 5821 can rate convert 23.98 frame video to 59.94 frames, move progressive to interlace and has extensive user programmable reticule overlays. The data path is 10-bit with 12-bit analog encoding. The 5821-D is designed for high density legacy* frames and the 5821-R is for standard legacy frames. Visit www.cobaltdigital.com for complete product information.



Ordering information:

5821-D Downconversion without relocked outputs
5821-R Downconversion with relocked outputs

Features

- 10-bit down conversion
- Three outputs: two SD-SDI and one analog composite
- Auto standard detect and configuration SMPTE 292/259M-C
- Full aspect ratio conversion (two axis)
- Four user programmable overlays with 4x3 or 16x9 safe area reticules
- 3:2 frame rate converting 23.98 to 59.94
- Output field alignment for down converted 720p signals
- Analog SD output over sampled to 216 MHz
- 10-bit video path and 12-bit analog encoding
- Proc. controls affect SDI and analog outputs
- User presets controllable from card edge
- Five year warranty

*Ross 8110 frames, Leitch 6800™ series cards and equivalents.