

8021

HD/SD Up/Down/Cross Converter

with Digital and Analog Outputs


**BLUE
BOX**

The 8021 accepts dual rate HD/SD SMPTE-292/259M-C digital inputs and can up or downconvert incoming signals and re-aspect to 4x3 or 16x9. In addition, the 8021 can cross convert HD signals between 1080 and 720. Both digital and analog HD/SD and XGA outputs are available. The 8021 can rate convert 24 frame video to 60 frames and move interlace to progressive and back. The unit also has user configurable reticle overlays. The 8021 has full 10-bit video processing with 12-bit analog encoding. The 8021 allows you to pick your monitor or scope, HD or SD (analog or digital) or XGA analog and view HD-SDI or SDI. User setups are by external switch controls or a serial PC interface. The unit can be controlled remotely for monitoring wall applications.

FEATURES

High quality down and monitoring quality up conversion

Three outputs: HD/SD digital or analog HD and SD

Auto standard detect and configuration SMPTE 292/259M-C

Full aspect ratio conversion (two axis)

Outputs wideband analog YPbPr, RGB or XGA

Four user programmable reticules

PC remote control available

3:2 pull-down

Two dual rate HD/SD reclocked input copies

10-bit video path and 12-bit analog encoding

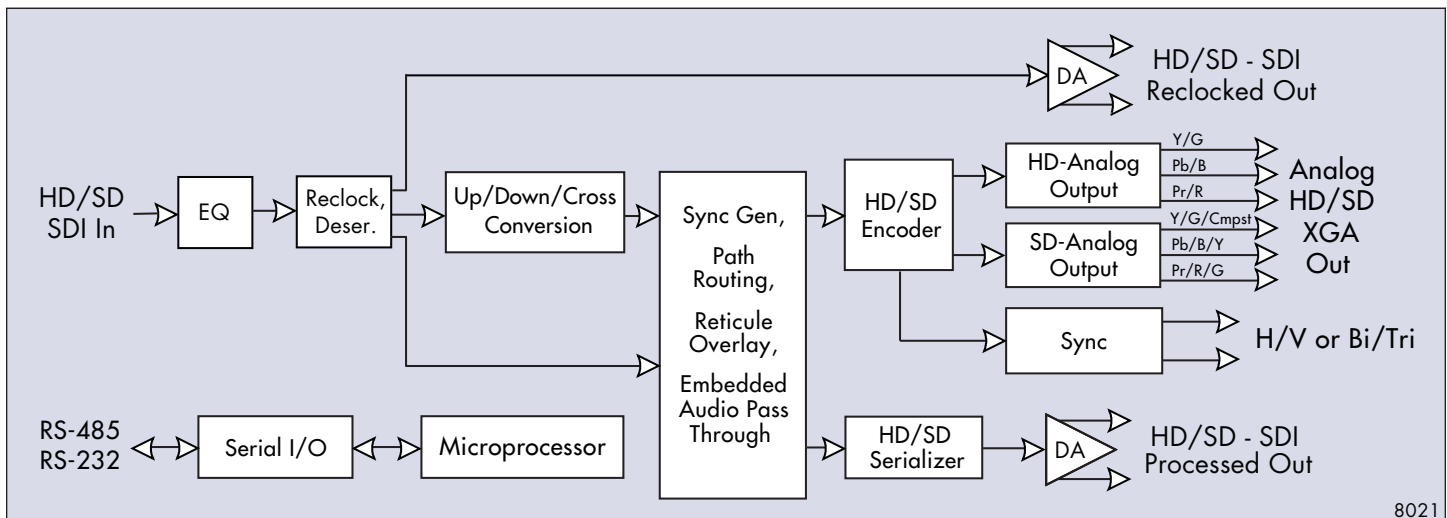
Supports 16 channels of embedded audio in all conversion formats

Automatic audio delay tracking with user offset

External configuration switches and remote port

Adjustable output gain control

Five year warranty



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SPECIFICATIONS

Input

HD-SDI SMPTE-292 and SD-SDI SMPTE-259M-C

Output

Two reclocked HD/SD input copies
HD: YPbPr, RGB or XGA w/tri/bi or H/V sync
SD: composite, component and Y/C
Two up or down converted HD/SD outputs

Frequency Response

HD: Y: 28 MHz ± 0.25 dB, Pb/Pr: 13 MHz ± 0.25 dB
SD: 0-5.25 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 or user defined color.

Proc. Control

Digital control of gain, DC, saturation and hue with user values saved and factory presets

Power

5-18 VDC @ 9 watts
Requires Power Supply PS24

Size

10.3" x 5.9" x 1" (260 x 150 x 25 mm)

ORDERING INFORMATION

8021 10-bit Digital Up/Down/Cross Converter with HD/SD Analog and HD/SD Digital Outputs
(Includes one HD5BNC Cable)

PS24 Universal Power Supply, IEC Connector, CE/UL/CSA, Input: 100-240 60/50 Hz, Output: 12V 2.5A