

6590

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

The 6590 provides analog to 10-bit SDI conversion. The 6590 accepts composite, Y/C and component YPbPr analog input signals and outputs 270 Mbit SDI SMPTE 259M. Differential inputs are included for ground loop rejection. A 4 or 3-line comb or notch filter is user-configurable for Y/C separation in composite mode. An output jitter VCXO reduces 270 Mbit jitter down to 2Hz. Full user proc control, with user memory allows digital adjustment of white level, black level, color gain, and color phase.

FEATURES

Composite, component YPbPr and Y/C inputs

Supports component BetaCam™, MII™ and SMPTE/N10

Differential inputs for power hum rejection

10-bit A to D

Four line adaptive comb filter for composite mode

Four 270 Mbit SDI outputs, SMPTE 259M

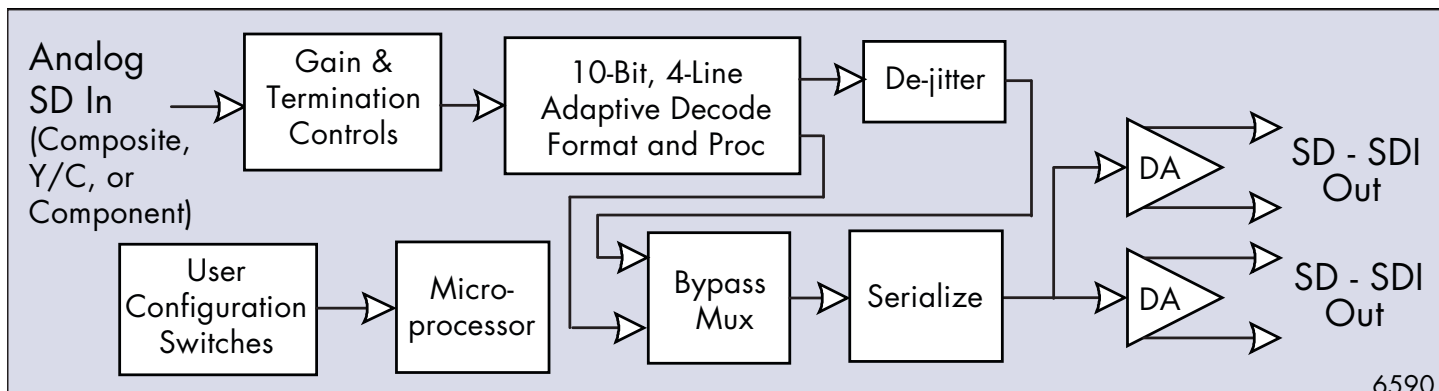
SDI de-jitter filter to 2Hz

Internal color bar generator

External user configuration switches

Internal user proc configuration control

Five year warranty



6590

SPECIFICATIONS

Input

Composite, Y/C or component (YPbPr)

Output

270 Mbit SDI SMPTE 259M-C

Output Jitter

< 0.15 UI measured with color bar input

A/D Process

8:4:4 2X over-sampled

Frequency Response

5 MHz +/- 0.25 dB

K-2T

< 1 %

S/N

> 52 dB

Comb Filter

4, 3 or 2 line adaptive / non-adaptive
User selectable

Proc. Control

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

Power

5 VDC @ 3.5 watts
optional 7-28 VDC input
Requires Power Supply PS11 or PS12

Size

5.5" x 3" x 1" (139 x 77 x 26 mm)

ORDERING INFORMATION

6590 Decoder/A to D Analog Composite 4 or 3 line Adaptive Comb Filter, Y/C or Component (YPbPr) to 10-bit SDI**PS11** Universal Power Supply, UL/CSA, Input: 100-240 60/50 Hz, Output: 5V 1.5A**PS12** Universal Power Supply, IEC Connector, CE/UL/CSA, Input: 100-240 60/50 Hz, Output: 5V 2A (International Power Supply. Specify country of destination.)