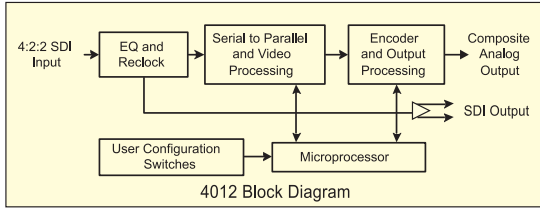


# 4012

## Encoder SDI to Analog Composite — Dual Reclocked Outputs

The 4012 is a compact, SDI to analog composite encoder with two relocked SDI outputs. The 4012 offers full flexibility for monitoring and toolbox applications. The encoder has fully automatic input line standard tracking and automatic output configuration. The Cobalt series has externally accessible user configuration switches for user setup and non-standard configurations.

### 4012 Block Diagram



### Features

- Outputs: composite analog and two relocked SDI
- 8-bit input; 10-bit encoder; 10-bit DAC
- Built-in color bar generator
- Automatic configuration NTSC/PAL
- Externally accessible configuration override switches
- Adjustable output gain
- Compact rugged steel case with mounting tabs
- External LED with status of power and input signal
- Five year warranty

### Specifications

<b>Input</b> 270 Mbit SDI, SMPTE 259M-C	<b>Requires Power Supply</b> PS4 or PS5
<b>Output</b> Two relocked SDI and one composite analog NTSC (525/60) SMPTE 170M PAL (625/50)	<b>Size</b> 3.7" x 2.75" x 0.75" (94x70x19mm)
<b>Power</b> +5V DC @ 3 watts	

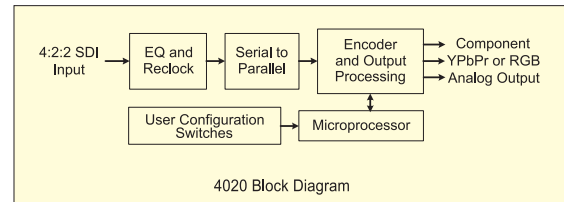
# 4020

## D to A SDI to Analog Component



The 4020 is a compact, SDI to analog component converter. It offers a versatile solution to monitoring and tool box applications. The Cobalt series offers fully automatic input line standard tracking and automatic output configuration. Each unit has external user configuration switches for signal setup and non-standard configurations.

### 4020 Block Diagram



### Features

- Output: analog component YPbPr or RGB
- 8-bit input; 10-bit encoder; 10-bit DAC
- Built-in color bar generator
- Automatic configuration NTSC/PAL
- Externally accessible switches for manual override configuration
- Adjustable output gain
- Compact rugged steel case with mounting tabs
- External LED with status of power and input
- Five year warranty

### Specifications

<b>Input</b> 270 Mbit SDI, SMPTE 259M-C	<b>Power</b> 5 VDC @ 2.5 watts
<b>Output</b> Analog component YPbPr or RGB	<b>Requires Power Supply</b> PS4 or PS5
<b>Encoder</b> 8-bit input, 10-bit encoding	<b>Size</b> 3.7" x 2.75" x 0.75" (94x70x19mm)

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