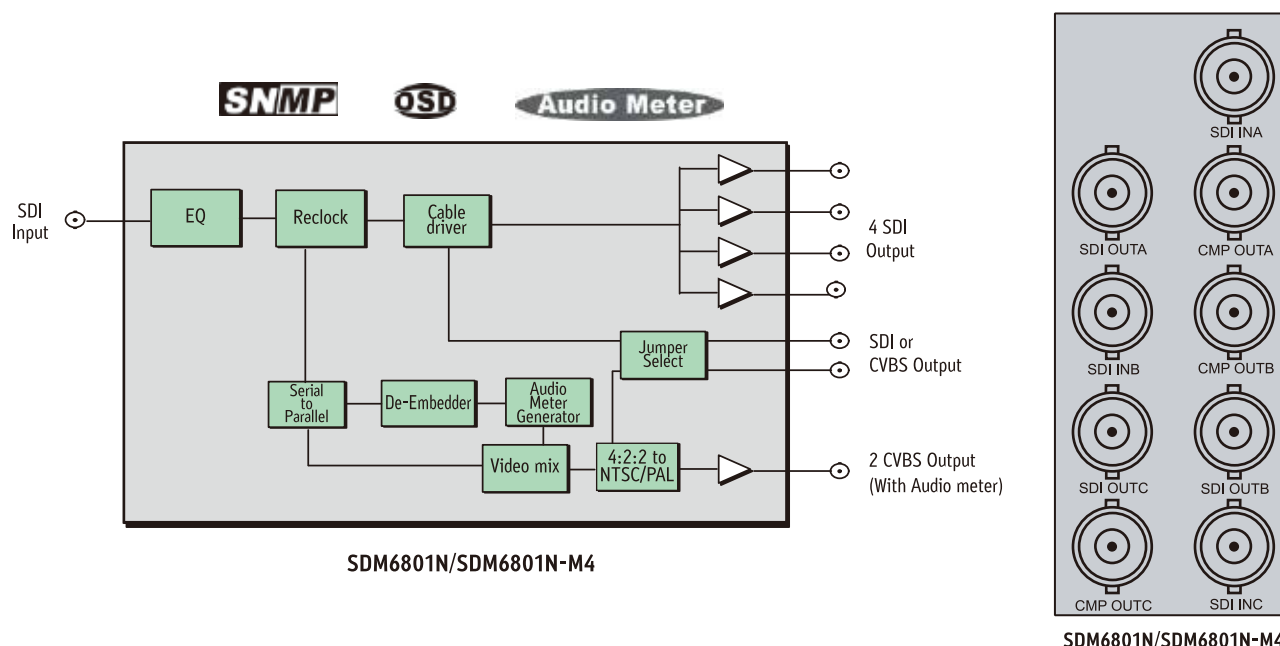


SDM6801N/SDM6801N-M4

SD-SDI Video Distribution and Monitoring Module

The SDM6801N/SDM6801N-M4 is a video distribution and monitoring module with video D/A conversion. It has 1ch SD-SDI input and can provide up to 6 channels of SD-SDI outputs and four channels of CVBS outputs via a jumper. It also supports embedded audio monitoring.



Features

- One channel SDI input
- Up to 6 channels of reclocked SDI outputs
- Up to 4 channels of CVBS outputs
- Analog video format supported: PAL-B, PAL-M, NTSC
- EDH, freeze frame, and black field detection

Specifications

SDI Video Input

Signal Standard: SMPTE 259M-C; 270 Mbps, 525/625 component
Connector: BNC (IEC 169-8)
Impedance: 75 ohm
Return Loss: >18dB to 270MHz
Maximum Input cable: >300m

SDI Video Output

Output: Up to 6 channels of SDI outputs (2 jumpers selectable)
Connector: BNC (IEC 169-8)
Overshoot: <10% (all outputs terminated)
Impedance: 75 ohm
Return Loss: >18dB to 270MHz
Signal Level: 800mV +/- 10%
Jitter: <0.2 UI
Rise and Fall Time: 0.4-0.7ns (20% to 80% of amplitude)

Analog Composite Output

Standards: NTSC, PAL-M, PAL-B
Number of Outputs: Up to 4 channels of CVBS outputs (2 jumpers selectable)
Signal Level: 1 Vp-p nominal (+/- 10% adjustable)
DC Offset: 0 mV +/- 14 mV (2 IRE)
Impedance: 75 ohm
Return Loss: >40dB to 5.75 MHz
Output Quantization: 10 bits
Frequency Response: <+/-0.25 dB to 5 MHz
Differential Gain: <1.5%
Differential Phase: <1.2°
S/N Ratio: >54dB RMS to 5 MHz
Test Signal: color bar: 100/0/75/0

Power Consumption

Power: 3.3W
Positive Rail: 450 mA
Negative Rail: 10mA

**Specifications are subject to change without notice.*

Ordering Information

SDM6801N

SD-SDI video distribution and monitoring module

SDM6801N-M4

SD-SDI video distribution and monitoring module with embedded audio monitoring