

MVS-HD

HD/SD-SDI input module (4 HD/SD-SDI auto-sensing inputs)



Description

MVS-HD is a high-quality interface that provides 4 video signal inputs. It auto detects if the input signal is HD-SDI or SDI serial digital video. There is a SUB-D-15 port that provides a combination of an analog audio and a tally input. There are one audio channel and one tally display for each video signal.

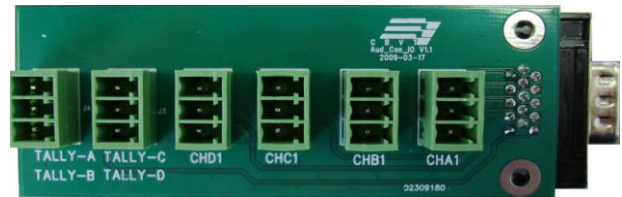
Various detection are applied for this module, such as audio silence detection, audio overload detection, video freezing detection, EDH detection

Interface

The rear of input module



The mini audio and tally input module



Specifications

Signal Video Input:

Interface: 4*HD/SD-SDI, BNC

HD-SDI input:

Impedance: 75 ohms

HD: SMPTE 292M; 1.485, 1.485/1.001Gb/s

720p 23.98/24/25/29.97/30/50/59.94/60;

1080i 50/59.94/60;

1080p 23.98/24/25/29.97/30/50/59.94/60;

Return Loss: > 15dB, 5MHz to 1.5GHz

SD-SDI Input

Impedance: 75 ohms

Signal type: SMPTE295M (525/625 lines)

Return Loss: >15 dB to 270 MHz

Signal Level: 800mV ±10%

Overshoot: < 80mV

Jitter: < 740ps

Rising and Falling Time: < 1500ps

Rising and Falling Time Different: < 500ps

DC Level: 0V ±500mV

Audio Input

Input interface: 3-pin connector balanced

Input impedance: 600Ω

Maximum input level:+24dBu (0dbFS)

Sampling: 48 KHz

Frequency response: <±0.04dB @ 20Hz to 20 KHz

SNR: >80dB

Tally input:

Input interface: 3-pin