

# IMD-1 SDI / DVI

## IN-MONITOR DISPLAY PROCESSOR WITH SDI OR DVI OUTPUT



### Features:

- SDI / Analog input - Auto-detecting
- SDI 601 input to component analog output converter
- Composite analog input to SDI 601 output converter
- 16:9 / 4:3 aspect ratio independently selectable for input and output
- Two versions available: DVI output Up to 1280 X 1024  
SDI and multi-format analog output
- Compact 5.5" X 3.75" X 1" package
- De-mux and Audio metering of embedded SDI audio sources
- Line-level audio output
- Virtual UMD is compatible with Image Video's line of tally controllers
- Four GPI inputs provided
- Frozen video / loss of video detection

# IMD-1 SDI / DVI



## Input

Signal Type (Analog) . . . . . NTSC, PAL, SECAM  
 Signal Type (Digital) . . . SMPTE 259-M (4:2:2), Serial Digital Video (525 / 625)  
 Connector . . . . . BNC  
 Signal level (Analog) . . . . . 1V peak to peak, ± 10%  
 Data Rate (Digital). . . . . 270 Mb/s  
 Input Impedance . . . . . 75Ω  
 Return Loss (Analog) . . . . . ≥ 40dB to 5MHz  
 Return Loss (Digital) . . . . . ≥ 15dB to 270MHz  
 Equalization . . . . . >300m @ 270Mb/s (Belden 8281)

## Output

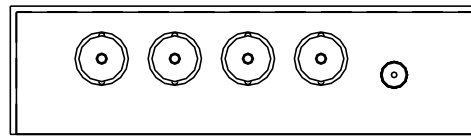
Signal Type (IMD-1 SDI) . . . . . SDI 4:2:2,  
 . . . . . analog (YUV, RGB, YC, or composite)  
 Connector (IMD-1 SDI) . . . . . BNC  
 Signal level (IMD-1 SDI) . . . . . 800mV peak to peak, ± 10%  
 Signal Type (IMD-1 DVI) . . . . . Single link DVI  
 Connector (IMD-1 DVI) . . . . . DVI-D  
 Resolution (IMD-1 DVI) . . . . . Up to 1280 X 1024

## GPI I/O

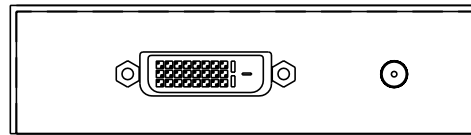
Number of Inputs . . . . . 4  
 Input Signal Type . . . . . Pull to Ground  
 Connector . . . . . RJ-12

## Misc I/O

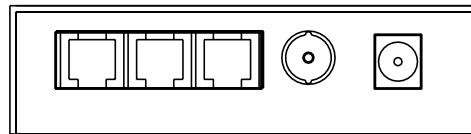
RS-422/485 . . . . . Loop-through RS-422 / 485 RJ-12



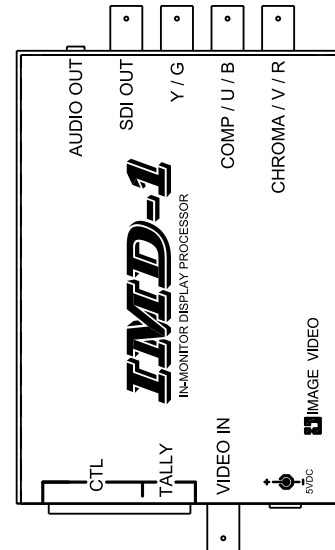
IMD-1 SDI / ANALOG OUTPUTS



IMD-1 DVI OUTPUT



IMD-1 VIDEO INPUT  
POWER AND CONTROL



## Ordering Information

- IMD-1 SDI 168-0122-00 IN-MONITOR VIDEO PROCESSOR WITH SDI / ANALOG COMPONENT OUTPUT
- IMD-1 DVI 168-0123-00 IN-MONITOR VIDEO PROCESSOR WITH DVI-D OUTPUT



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