

Based on Mini MIO BOX platform, MMIO VSD is a high-quality distribution which can distribute one serial digital signal to four serial digital outputs with reclocking by the mini-size unit of 96.7x65x28 mm. And the device supports 3G/HD/SD-SDI input signal with embedded audio and automatic input detection of 525i 60, 625i 50, 720p, 1080i, and 1080p format.

MMIO VSD provides automatic signal equalization for up to 1000m of HD and 300m of SD (Belden 1694A), which can improve the signal quality and reduce the signal loss caused by long distance transmission of input source. The LED lights on the Mini box indicate the status of input signal and power supply, in order to let the user know the status immediately.



Key Features

- One 3G/HD/SD-SDI signal input, four 3G/HD/SD-SDI signal outputs with RC
- Support automatic input detection of 525i 60, 625i 50, 720p, 1080i, and 1080p format
- Support HD/SD-SDI signal with embedded audio
- Adopt reclocking of video signals to provide an additional level of signal integrity in long cable length applications
- Provide signal equalization to improve the signal quality and reduce the signal loss caused by long distance transmission of input source
- The LED lights on the Mini box indicate the status of input signal and power supply
- Mini box structure easily installed inside frame racks, video walls and so on
- Widely used in broadcasting system, studios and other professional fields

Top View



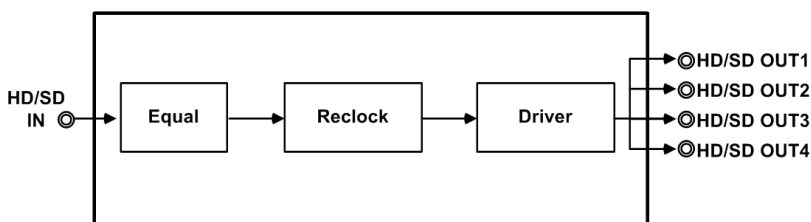
Right View



Left View



Block Diagram



Order Information

MMIO VSD

1x4 3G/HD/SD-SDI signal distribution with RC

Technical Specification

Digital Video Input:

Input interface: 1*SDI, BNC
 Impedance: 75 ohms
 Format: 525i 60, 625i 50
 720p 50/60
 1080i 50/59.94/60
 1080p 30/29.97/25/24/23.98
 1080p 50/59.94/60
 Length: SD: ≤300m (Belden 8281)
 3G/HD: ≤100m (Belden 1694A)

Digital Video Output:

Output interface: 4*SDI, BNC
 Impedance: 75 ohms
 Format: SMPTE-259M-C; 270Mb/s
 SMPTE-292M; 1.485Gps
 SMPTE-425; 2.970Gps
 Level: 800mV ±10%
 Jitter: <0.2UI (100 KHz)

Status indicator:

Input signal status indicator
 Power supply indicator
 (Indicate by shining or extinguishing of the green LED)

Power consumption:

Power: 12VDC 1A
 Dimension: 96.7x65x28 mm