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MMIO VSD Video Distribution

User Manual V1.0

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MMIO VSD video distribution

1. Description

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 100m 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.

2. Features

● One digital signal input

● Four distribution outputs with reclocking

● Support 3G/HD/SD and auto-sensing input

● Power supply indicator

● Input signal indicator

● Mini MIO box structure with the size of 96.7x65x28 mm

● Power socket with fixing lock

3. Interfaces on the panel

3.1   Top View

3.2   Right panel

DC IN：   12V 1A. Power socket with fixing lock

Indicators

PWR：Power indicator, the indicator shows green when the power works normal.

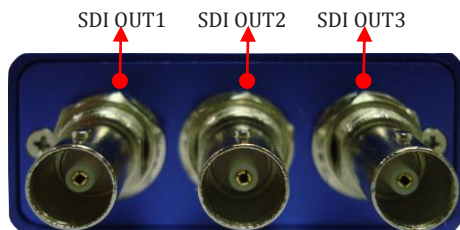**IN**：Signal input indicator, the indicator shows green when the input signal is in normal status.

Signals

SDI IN: BNC interface. It supports 3G/HD/SD input source and auto-detection of input signal. SDI

signal with embedded audio signal also can be processed.

SDI OUT4: BNC interface. It's one of four distribution outputs with reclocking

3.3   Left panel

SDI OUT1-3: Three BNC interfaces are distribution outputs with reclocking.

4. **Technical Specifications:**

Input

Digital video input

Input interface: SD/HD/3G SDI, one BNC interface

Impedance: 75Ω

Format: SMPTE 259M-C；270Mbit/s

SMPTE 292M；1.5Gbit/s

SMPTE 424M；2.97Mbit/s

Max cable length: <300m (Belden 8281)

<100m (Belden 1694A)

Output

Digital video output:

Output interface: SD/HD/3G SDI, four BNC interfaces

Impedance: 75Ω

Format: SMPTE 259M-C；270Mbit/s

SMPTE 292M；1.5Gbit/s

SMPTE 424M；2.97Mbit/s

Eye pattern: 800mV±10%

Jitter: <0.2UI

Status indicator:

Two indicators of input signal and power supply status

Power consumption

Power: 12VDC   1A

Dimension: 96.7x65x28 mm

5. Contact Us

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