



## BRIDGE EX\_HVDA



### Descriptions

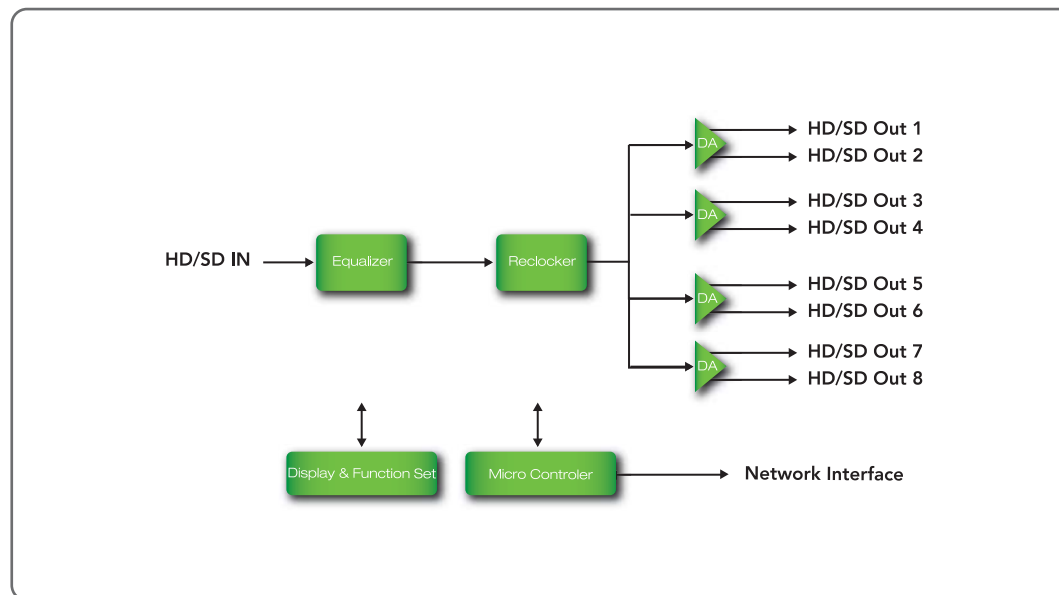
HVDA The (Multi-Rate 3G/ HD / SD Serial Digital Video Distribution Amplifier with Reclocking), output the HD / SD SDI signal of eight from the HD / SD SDI input signal of one that complies with SMPTE 125M, SMPTE 296M, SMPTE 274M, SMPTE 425M.

HVDA has a built-in circuit Reclocking and Equalizing circuit, it can be used in long distance dispensing.

### Feature

- Support SMPTE 125M, SMPTE 296M, SMPTE 274M, SMPTE 425M
- Reclock SDI output
- Multi-Rate SDI (143M, 177M, 270M, 340M, 540M, 1.485G, 1.485/1.001G)
- HD/SD-SDI 1 in x 8 out
- Auto equalizing
- HD grade : compensate for up to 100m  
SD : up to 300m of Belden 1694 Cable

### Diagram



### Specification

#### SDI Input

Input Number\_1

Input Standard\_SMPTE 125M : 525i/625i

HD SMPTE 274M : 1080i(50/59/60), 1080p(23/24/25/29/30)

HD SMPTE 425M : 1080p(50/59/60)

HD SMPTE 296M : 720p(50/59/60)

Connector\_BNC 75Ω Impedance

Return Loss\_> 15dB to clock freq.

Cable Length\_250m Belden 8281@ 270Mbps, 100m Belden 1694@ 1.485Gbps

Signal level\_800mVp-p ± 10%

#### SDI Outputs

Output Number\_8

Output Standard\_SMPTE 125M : 525i/625i

HD SMPTE 274M : 1080i(50/59/60), 1080p(23/24/25/29/30)

HD SMPTE 425M : 1080p(50/59/60)

HD SMPTE 296M : 720p(50/59/60)

Connector\_BNC 75Ω Impedance

Signal level\_800mV ± 10%

Rise & fall time\_400~800ps(SD), < 270ps(HD)

Overshoot\_< 10% of amplitud

Jitter\_<1 UI

#### Physical

BRIDGE EX frame mounting

Number of slot\_2

#### Electrical

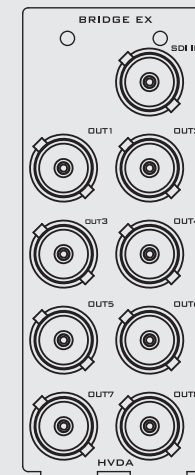
Voltage\_+12V DC

Power Dissipation\_< 3W

Temperature\_0 ~ 40 °C

#### Ordering Information

BRIDGE EX HVDA\_HD/SD VDA with Output 1x8



Rear Connector