

# A/V-Bridge – MV Bridge technical specification

## HD-Interface (Option)

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### Features

SD → HD Up-conversion

HD → SD Down-conversion

HD → HD Cross-conversion (50 [25] Hz. → 50 [25] Hz.)

HD → HD Cross-conversion (60 [59, 30, 24, 23] Hz. → 60 [59, 30, 24, 23] Hz.)

#### HD-Formats:

720/60p, 720/59p, 720/30p, 720/29p, 720/50p, 720/25p

1080/60i, 1080/59i, 1080/30p, 1080/29p, 1080/50i, 1080/25p, 1080/24p, 1080/23p

1080/30sf, 1080/29sf, 1080/25sf, 1080/24sf, 1080/23sf

1035/30i, 1035/29i

SD-Genlock

HD-Genlock

Embedded Audio

Timecode processing

Simultaneous HD and SD Output in Upconversion mode

### Inputs

#### SD → HD Upconversion

Serial digital	2 x SDI (270Mbps), SMPTE 259M Embedded Audio, SMPTE 272M	2 x BNC
Analog reference	1 x HDTV Tri-sync, SMPTE 274M	} 1 x BNC (analog/digital configurable)
Digital reference	1 x SDI (1.48Gbps), SMPTE 292M	

#### HD → SD Downconversion

Serial digital	2 x SDI (1.48Gbps), SMPTE 292M Embedded Audio, SMPTE 299M	2 x BNC
Analog reference	1 x SD Bi-sync 525/625	1 x BNC
Digital reference	1 x SDI (270Mbps), SMPTE 259M	1 x BNC

### Outputs

#### SD → HD Upconversion

Serial digital	1 x SDI (1.48Gbps), SMPTE 292M	1 x BNC
	1 x SDI (1.48Gbps), SMPTE 292M or 1 x SDI (270Mbps), SMPTE 259M	} 1 x BNC (SD/HD configurable)

#### HD → SD Downconversion

Serial digital	2 x SDI (270Mbps), SMPTE 259M	2x BNC
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