

RH10MD

High Definition Downconverter and DA

Features at a glance

- Broadcast-Quality 10-bit HD Downconverter
- Re-clocking 1x4 HD/SD-SDI DA
- Multi-Standard HD-SDI or SDI Input
- SDI and Component/Composite Analog Outputs
- 3/2 Pull-down for 23.98/24 Hz p/psf inputs
- Full 10-bit Data Path, Multi-point Interpolation
- Configurable for 16:9 or 4:3 Monitors
- Letterbox and Crop Modes
- 4:3 Safe-Zone Graticule
- Passes embedded audio from HD-SDI to SD-SDI
- 5-year Warranty

Tech specs

Formats:

- HD: 1080i 50/59.94/60 Hz
- 1080p/psf 23.98/24/25/29.97/30 Hz
- 720p
- 23.98/24/25/29.97/30/50/60 Hz

Inputs:

- HD-SDI or SDI SMPTE 259/292/296
- 10-bit
- BNC

Outputs:

- SDI
- SMPTE 259M
- 10-bit
- BNC
- YPbPr - SMPTE
- EBU-N10
- Betacam RGB
- NTSC
- PAL
- Y/C (S-Video)
- 10-bit
- 3 x BNC

Downconversion:

- Multi-point interpolation
- 10-bit processing
- 3:2 conversion for 23.98/24p/psf inputs

User Controls:

- (External Dipswitch)
- Output Video Format
- 4:3/16:9 Monitor Select
- Letterbox/Crop
- Pedestal (Output)
- 4:3 Safe-Zone Graticule Overlay

Physical:

- Fits AJA R-Series Frames

Power:

- 5 watts



The RH10MD is a 10-bit broadcast-quality HD downconverter and HD/SD-SDI distribution amplifier. There are 4 re-clocked HD/SD-SDI outputs and four down-converted SD outputs. The SD outputs can be individually configured as analog or SDI - analog can be component or composite. All HD formats are supported including 24p/psf with 3:2 pull-down. The SD output can be formatted for either 4:3 or 16:9 monitors. For 4:3 monitors both Letterbox and Crop modes are supported. The RH10MD is also dual-rate (HD/SD) and will support SDI inputs. 4 Ch AES embedded audio is passed through to the SDI outputs. The RH10MD is compatible with AJA's FR1 or FR2 frames.

