

# RH10MD

## HD Down Converter & HD-SDI Distribution Amplifier

The RH10MD is a 10-bit broadcast-quality HD down converter and HD-SDI/SDI distribution amplifier. There are 4 re-clocked HD-SDI/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 pulldown. 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.

## Specifications

### 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
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### 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

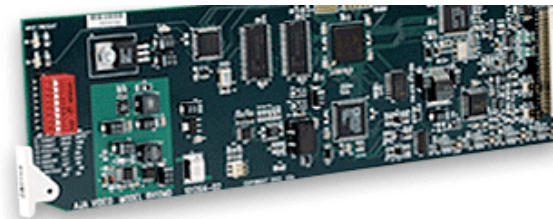
External Dipswitch
Output Video Format
4:3/16:9 Monitor Select
Letterbox/Crop
Pedestal (Output)
4:3 Safe-Zone Graticule Overlay

### Size

Fits AJA R-Series Frames
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### Power

5 watts
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## Features

- Re-clocking 1x4 HD-SDI/SDI DA
- Multi-Standard HD-SDI or SDI Input
- SDI and Component/Composite Analog Outputs
- 3/2 Pulldown 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

