



# HD10MD4

The HD10MD4 down-converts HD-SDI video to standard definition SDI and analog component/composite video utilizing AJA's high-quality full 10-bit data path and multi-point interpolation to produce broadcast quality down-converted video.

\$ US MSRP

<https://www.aja.com/products/hd10md4>

## Input Formats

(automatic configuration)

- (HD) 1920 x 1080i 50, 59.94
- (HD) 1920 x 1080p 23.98, 25, 29.97
- (HD) 1920 x 1080PsF 23.98, 25, 29.97
- (HD) 1280 x 720p 50, 59.94
- (SD) 625i
- (SD) 525i

## Output Formats

- (SD) 625i
- (SD) 525i

## Video Input

- 1x BNC
  - HD SMPTE 292M, 10-bit
  - SD SMPTE 259M, 10-bit

## Video Output

- Digital
  - 1x BNC (processed output)
    - SDI - SMPTE 259M, 10-bit
  - 1x BNC (loop through input)
- Analog
- 3x BNC
  - YPbPr-SMPTE, EBU-N10, Betacam, RGB, NTSC, PAL, YC (S-Video), 10-bit

## Video Processing

- Down-conversion
  - Multi-point interpolation, 10-bit processing
  - 3:2 conversion for 23.98 inputs
- Frequency Response
  - Y +0, -.5db to 30 MHz
  - C +/- .25db to 15 MHz

## User Controls

- External dipswitch
- Mini-Config application via USB

## Size (w x d x h)

- 5.8" x 3.1" x 1.0" (147.32 x 78.74 x 25.4 mm)

## Power

- Uses AJA Power Supply model DWP-U-R1 (included with purchase)
- 100-240V, 50/60Hz Universal Input
- +5 to 20V DC regulated, 7 watts max

## Environment

- Safe Operating Temperature: 0 to 40 C (32 to 104 F)
- Safe Storage Temperature (Power OFF): -40 to 60 C (-40 to 140 F)
- Operating Relative Humidity: 10-90% noncondensing
- Operating Altitude: <3,000 meters (<10,000 feet)