



HD10A-Plus

The HD10A-Plus is a miniature, high-quality, 10-bit analog to digital converter for HD workflows. The HD10A-Plus can add an HD or SD SDI output to cameras, VTRs, or other analog-only equipment, even computers with HD RGB graphics. The HD10A-Plus accepts HD YPbPr or RGB analog and outputs three duplicate SDI signals. Works in 1080i, 1035i, 1080psf, and 720p with internal or external sync (tri-level). The HD10A-Plus also includes SD mode support for PAL and NTSC needs.

\$ US MSRP

<https://static.aja.com/products/hd10a-plus>

Video Formats

- (HD) 1080i 50, 59.94, 60
- (HD) 1080PsF 23.98, 24, 25
- (HD) 720p 50, 59.94, 60
- (SD) 625i
- (SD) 525i

Inputs

- HD component YPbPr, RGB (SMPTE-274), 1 x BNC
- SD component (Betacam, EBU-N10)/composite/YC (S-Video), 1 x BNC
- External sync, 1 x BNC

Outputs

- HD/SD-SDI, SMPTE-259/292/296M 3 x BNC

Frequency Response

- Y +0, -5 dB to 30 mHz
- C +/- .25 dB to 15 mHz

User Controls

- External Dipswitch
- Component/Composite (SD Only)
- S-Video (off/on) (SD Only)
- Pedestal Present (on/off) (SD Only)
- Format (YPbPr/RGB)
- NTSC-J (off/on) (SD Only)
- SYNC (INT/EXT)

Size (w x d x h)

- 5.8" x 3.1" x 1.0" (147mm x 79mm x 25mm)

Power

- +5-20 VDC, 4 watts

Environment

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