

UDC - Up/Down/Cross Converter



The UDC is a broadcast quality Up/Down/Cross Mini-Converter which can convert between SD, HD, and 3G video formats. Borrowing from AJA's industry leading conversion technology used in our model FS2, the UDC provides very high quality conversions at a low price. The UDC also supports 8 channel embedded audio. I/Os include SD/HD/3G SDI Input and Output, HDMI output, and 2 channel RCA style audio output. The UDC can be controlled by local dipswitches with additional control available via USB and AJA's Mini-Config application. A Reference Input allows the video output to be timed to a local reference.

Features at a glance

- Converts between SD, HD, and 3G HD formats
- Supports 1080p50/60
- Very high quality conversions
- 8 channel embedded audio
- HDMI output with 8 channel audio
- 2 channel RCA analog audio output
- Reference Input
- Configure via Dipswitch or USB port and supplied Mini-Config software
- Uses 5-20V power (supply sold separately)
- 5 year warranty

Tech specs

SDI I/O:

SD/HD-SDI (auto-selected), SMPTE-292/296/424, 1x BNC SMPTE-292/296/424, 1x BNC525i, 625i

Formats:

- 525i59.94, 625i50
- 1080i 50/59.94
- 720p 23.98/24/25/29.97/30/50/59.94/60
- 1080p 23.98/24/25/29.97/30/59.94/60
- 1080psf 23.98/24/25/29.97/30

Reference Input:

- Color Black
- Tri-Level sync

HDMI Output:

- 10-bit HDMI v1.4a

Formats:

- 525i29.97, 625i50
- 1080i 50/59.94/60
- 720p 23.98/24/25/29.97/30/50/59.94/60
- 1080p 23.98/24/25/29.97/30/59.94/60

Note: HDMI monitors may not properly support all frame rates or "pSF" formats.

Audio I/O:

- 16-channel embedded SDI audio input
- 16-channel embedded SDI audio output
- 8-channel HDMI audio output
- 2 RCA-style analog outputs at -10dBV (nominal)

HDCP:

The UDC does not encode the HDMI output with HDCP encryption. By definition, HD-SDI inputs to the UDC are unencrypted. The HDMI specification requires HDMI monitors to support unencrypted inputs.

User Controls:

USB port used with supplied cable and MiniConfig software application to configure device via PC/Mac.

Physical:

5.8" x 3.1" x 1" (147mm x 79mm x 25mm)

Power:

+5 to +20 VDC regulated, 6 watts

Requires Power Supply

(AJA power supply model DWP or DWP-U recommended)