



HDV vers HD-SDI

Le HD-Bridge DEC est le nouveau convertisseur HDV vers HD-SDI haute qualité de Miranda déjà primé à plusieurs reprises. Avec son cross-convertisseur intégré 1080i/720p, le HD-Bridge DEC simplifie votre traitement vidéo dans un environnement multi-format. Il est particulièrement adapté au montage HD-SDI de sources HDV grâce à son port

RS422. Les graticules et les multiples sorties de monitoring - HD analogique, audio numérique et analogique, Time Code - vous seront d'une aide précieuse au montage. Et naturellement, HD-Bridge DEC est idéal pour la diffusion de HDV dans une infrastructure HD-SDI. Pour une intégration simple du HDV dans votre installation, contactez Miranda.

Miranda

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HD-BRIDGE DEC

HDV to HD-SDI Decoder



Miranda's HD-Bridge DEC provides high quality HDV to HD-SDI 1080i/720p conversion with embedded audio and Time Code, along with multiple digital and analog video/audio outputs.

Miranda's HD-Bridge DEC is a neat and affordable desktop interface which addresses multiple HDV interfacing tasks.

The interface accepts HDV via an IEEE-1394 (iLink, Firewire) connection, and outputs HD-SDI at 1080i/720p with embedded audio and Time Code. Dual HD-SDI outputs provide one clean feed, and one feed with Time Code and Graticule Markers. The interface also provides HD component video, AES, Analog audio, and LTC outputs. An RS-422 port is also provided for VTR control.

The HD-Bridge DEC has an internal cross converter allowing the conversion of 1080i HDV material to 720p, and 720p material to 1080i.

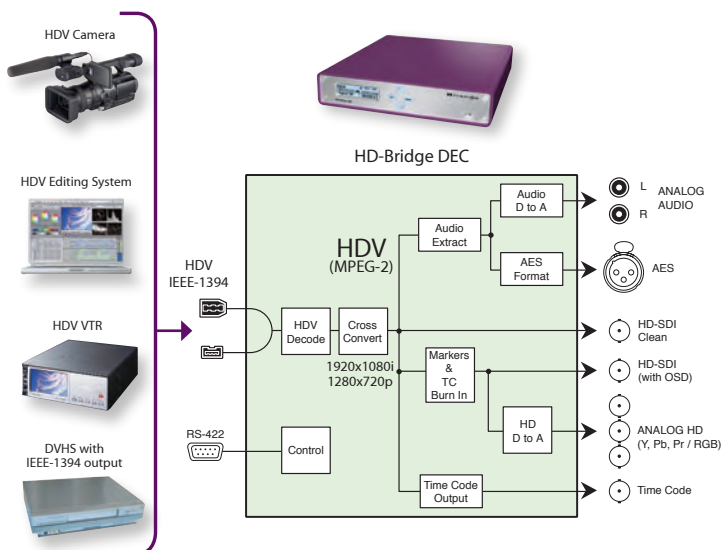
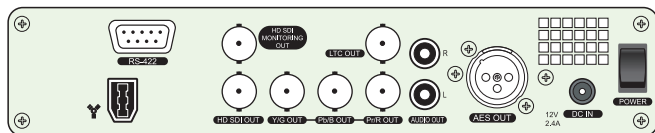
The interface can be used for broadcast distribution and playout, with edited HDV material converted into HD-SDI for direct playout into an HD-SDI infrastructure.

HD-Bridge DEC can also be used to convert compressed HDV into uncompressed HD-SDI for lossless editing.

Key Features and Benefits

- Affordable, high quality HDV to HD-SDI interface
- Multiple outputs: HD-SDI with embedded audio and Time Code, Analog HD, AES and Analog audio, and LTC
- HD-SDI cross conversion: HD-SDI output at 1080i or 720p
- Dual HD-SDI outputs: one clean output, and one with Time Code and Graticule Markers
- VTR control for batch capture
- Desktop design with front (4-pin) and rear (6-pin) IEEE-1394 HDV connections
- Easy to use with push button configuration using front panel display

Rear view



Technical Specifications

INPUT

HDV CONNECTOR: HDV on IEEE-1394a
IEEE-1394 6-pin and 4-pin

OUTPUT

HD-SDI (2): SMPTE 292M
(1.485, 1.485/1.001 Gbps)

RETURN LOSS: >12 dB up to 1.5 GHz

JITTER: < 0.6 UI (400 ps) p-p black burst reference
< 0.4 UI (270 ps) p-p tri-level sync reference

CAV SIGNAL: G/Y, B/B-Y, R/R-Y (HD)
0.7 Vp-p nominal or 1.0 Vp-p nominal with sync

RETURN LOSS: > 35 dB up to 5.75 MHz

CONNECTORS (3): 75 Ω BNC

AUDIO AES

SIGNAL (1): AES3
LEVEL: 3.0 Vp-p ±10%
IMPEDANCE: 110 Ω balanced (±20%)
JITTER: < 0.025 UI peak (4 ns)

AUDIO SIGNAL:

Stereo Unbalanced Line Out
LEVEL: 1.0 Vp-p
CONNECTOR: Twin RCA
LTC SIGNAL: SMPTE 12M
LEVEL: 1 Vp-p
CONNECTOR: 75 Ω BNC

VIDEO PROCESSING PERFORMANCE

SIGNAL PATH: 10 bits
PROCESSING DELAY: TBD

AUDIO PROCESSING PERFORMANCE

QUANTIZATION: 20-24 bits
SAMPLING: 48 KHz, synchronous
NUMBER OF CHANNELS: 1 pair

OTHERS

TEST PATTERN GENERATOR: Color bars 100% white
With 100% bars with white box for 4:3/16:9 Aspect Ratio

TEST TONE GENERATOR: -18 dBfs, 24 bit, 1 KHz continuous tone on right channel with pulsed tone on left channel in every pair.

POWER: 20w

PHYSICAL FORMAT: Standalone 1/2 RU

Ordering Information

Model	Description
HD-Bridge DecXC	HDV to HDSDI Decoder w/ Cross Converter

HD-BRIDGE DEC Applications

HD-Bridge DEC Application 1: On-set HD-SDI Capture

The HD-Bridge DEC can be used on-set to convert HDV to HD-SDI. This provides a high quality HD-SDI recording from an HDV camera in preparation for HD-SDI editing sessions.

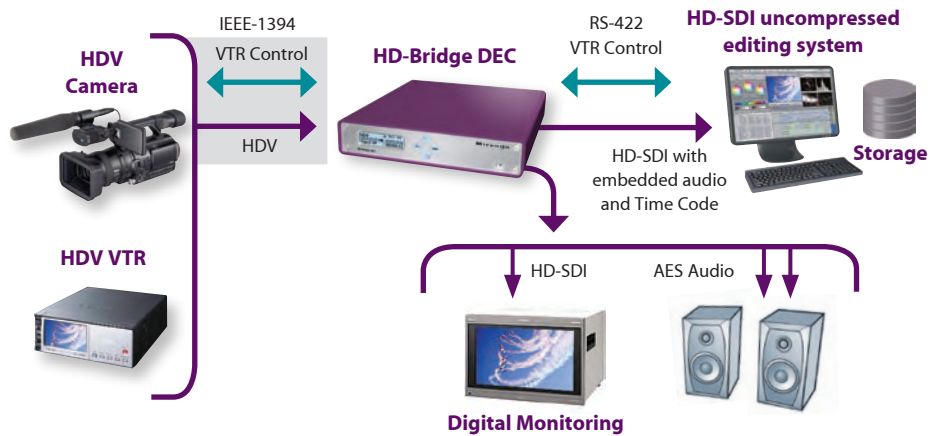


HD-Bridge DEC Application 2: Ingest HDV into HD-SDI Editing / Compositing systems

HD-Bridge DEC can be used in a post-production facility to allow HDV material to be edited using an uncompressed HD-SDI editing system.

The RS-422 control can be used to initiate a batch capture.

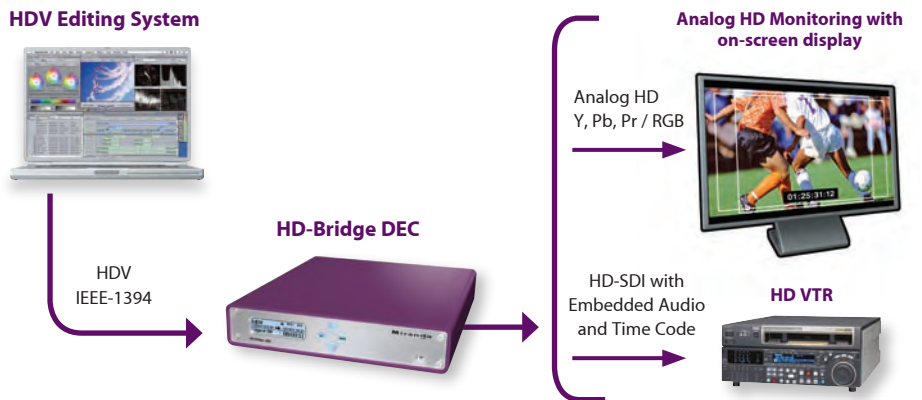
The interface's multiple outputs also improve monitoring during ingest.



HD-Bridge DEC Application 3: HDV Editing

The monitoring outputs can be configured to include aspect ratio markers and a burn in of the edit timeline Time Code.

The HD-SDI output can be used to dub the material to a high-end broadcast recorder.



HD-Bridge DEC Application 4: HDV to HD-SDI On-air Playback

The HD-Bridge DEC can be used to convert HDV to HD-SDI to allow easy on-air playback of HDV source material with an HD-SDI infrastructure.

