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, 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
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.

RS-422 control can be used to initiate batch capture, and the interface’s multiple outputs also improve monitoring during ingest.
HD-Bridge DEC

HDV IEEE-1394

HD-SDI with embedded audio and Time Code

HD-SDI Storage

HD-Bridge DEC

RS-422 VTR CTRL

HD-SDI with embedded audio and Time Code

HD-SDI uncompressed editing system

Storage

HD-SDI

Audio

Digital Monitoring
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 Playout

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

HD-Bridge DEC

HDV IEEE-1394

HD-SDI, AES Audio and Time Code

HD VTR

Analog HD Monitoring with on-screen display

Analog HD Y, Pb, Pr / RGB

HD-SDI with Embedded Audio and Time Code

On-Air Playout

HD-Bridge DEC

HDV IEEE-1394

HD-SDI, AES Audio and Time Code

HD VTR

Analog HD Monitoring with on-screen display

Analog HD Y, Pb, Pr / RGB

HD-SDI with Embedded Audio and Time Code
## Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>HD-Bridge DecXC</td>
<td>HDV to HDSDI Decoder w/ Cross Converter</td>
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**Corporate Headquarters**

Miranda Technologies Inc.
Tel: 514.333.1772  
Fax: 514.333.9828  
ussales@miranda.com