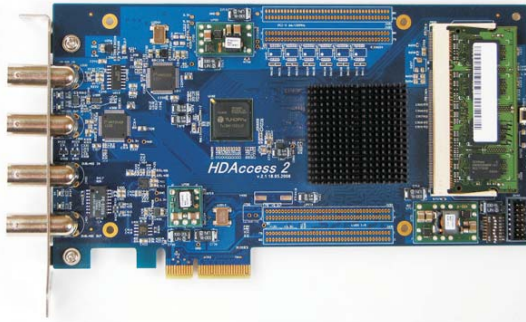


# Elecard HDAccess 2

SDI HD board

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video compression guru



**Elecard HDAccess 2** is a PCI-E board for receiving and transmitting uncompressed video and audio streams via HD/SD SDI and MPEG-2 TS data via DVB-ASI. The architecture of the device was developed specifically for realtime HD video processing.

## Features

- PCI-Express 4x lane interface
- Full Duplex for receiver/transmitter SD/HD SDI and DVB-ASI
- SDI receiver and transmitter:
  - complies with the standard SMPTE259M (270Mb, 360Mb), SMPTE292M, SMPTE274M (1.485Gb, 1.483 Gb), SMPTE344M (540Mb)
  - 8-10 bit data capacity
  - embedded audio support (SMPTE299M, SMPTE272M)
- DVB-ASI receiver:
  - complies with the standard EN50083-9:1998
  - robust synchronization engine
  - automatic 188 and 204 packet size detection
  - hardware PID filtration
  - TS error detection
- DVB-ASI transmitter:
  - complies with the standard EN50083-9:1998
  - PCR correction
  - 188 and 204 packet size support

## Product Highlights

- Unique functionality. HDAccess 2 is the only in/out card which combines DVB-ASI and SD/HD SDI interfaces operating in Full Duplex mode, thus saving money on hardware units for specific projects.
- Scalability. LVDS interfaces available on the board make it possible to install additional daughter-boards with up to 12 input or output interfaces.
- Delivery. The product can be delivered as a ready-to-use board or a reference design, thus optimizing time to market and resource consumption, saving money.

- Flexibility. The device can be easily tailored to your needs. Color Space Conversion, Scaling, Remultiplexing and other features are available upon request.
- Development. Upgrades and new forms of functionality are constantly being added to HDAccess 2 to meet current and future customer requirements.

## Application

- SDI capturing
- SDI rendering
- IPTV and broadcast video encoding servers
- TS analyzers
- Linear and Non linear editing systems
- IP to DVB and DVB to IP gateway
- SDI to ASI gateway
- DVB-ASI stream player
- DVB re-multiplexer

## Host interface

- PCI-E 4x lane

## Expansion interfaces

- 26 LVDS (or 56 LVTTTL 2.5V)
- PCI-X 133 MHz bus

## Delivery option

Ready-to-use board is offered for system integrators. Reference design is available for OEM customers developing applications for real-time video processing.