

3Gbit HDMI to SDI Converter

- Supports SD/HD/3G -SDI formats
- 3D support
- 2 x SDI outputs
- Optional SDI fiber output
- HDMI embedded audio passed transparently
- HDMI present LED indication



The CHD 1802 is a compact HDMI to SDI converter. It is an ideal solution for any application which requires a broadcast quality SDI signal derived from an external HDMI source.

Any audio present in the HDMI stream will be embedded into the corresponding channels on the SDI output.

An optional SDI fiber output is also provided (Single Mode Fiber)

Technical Specifications

HDMI Input	3D compatible input using type A connector Up to 8 channels embedded audio in HDMI is passed transparently
SDI Outputs	2 x SDI video on 75 Ohm BNC connector SMPTE 424M, SMPTE 292M, SMPTE 259M Multi-standard output from 270Mbit/s to 3Gbit/s (follows HDMI input) SDTV (525/625) 720p and 1080p (23.98/24/25/29.97/30/50/59.94/60 Hz) 1080i (50/59.94/60 Hz)
Power	+12VDC power supply (included)
Size	105mm x 95mm x 22mm (4.13" x 3.74" x 0.86")
Model #	CHD 1802
Includes	Module, AC power supply, RCA adapters, HDMI cable and mounting brackets

Note: For legal reasons, HDMI capture devices from LYNX Technik AG are designed not to capture, convert or transmit video or audio from HDCP copy-protected sources (e.g. Satellite receivers, Cable receivers, BD players etc.)

Fiber Output Options

Fiber SFP Transmitter Stick (LC)

Inserts into the Fiber SFP cage on the side of the module.
Can be added at any time. Please select from below:



Wavelength	TX Power	Max Distance	Option #
1310nm	-5dBm	10km (6.2 miles)	OH-TX-1
1550nm	-1dBm	40km (24.8 miles)	OH-TX-3-1550

NOTE: 18 x CWDM wavelength versions are also available. Please contact LYNX for details.

Power Adapter Options

The module **INCLUDES** an AC power supply. The power adapters below are optional.



P-TAP 1000

Use with a standard battery P-TAP power source.



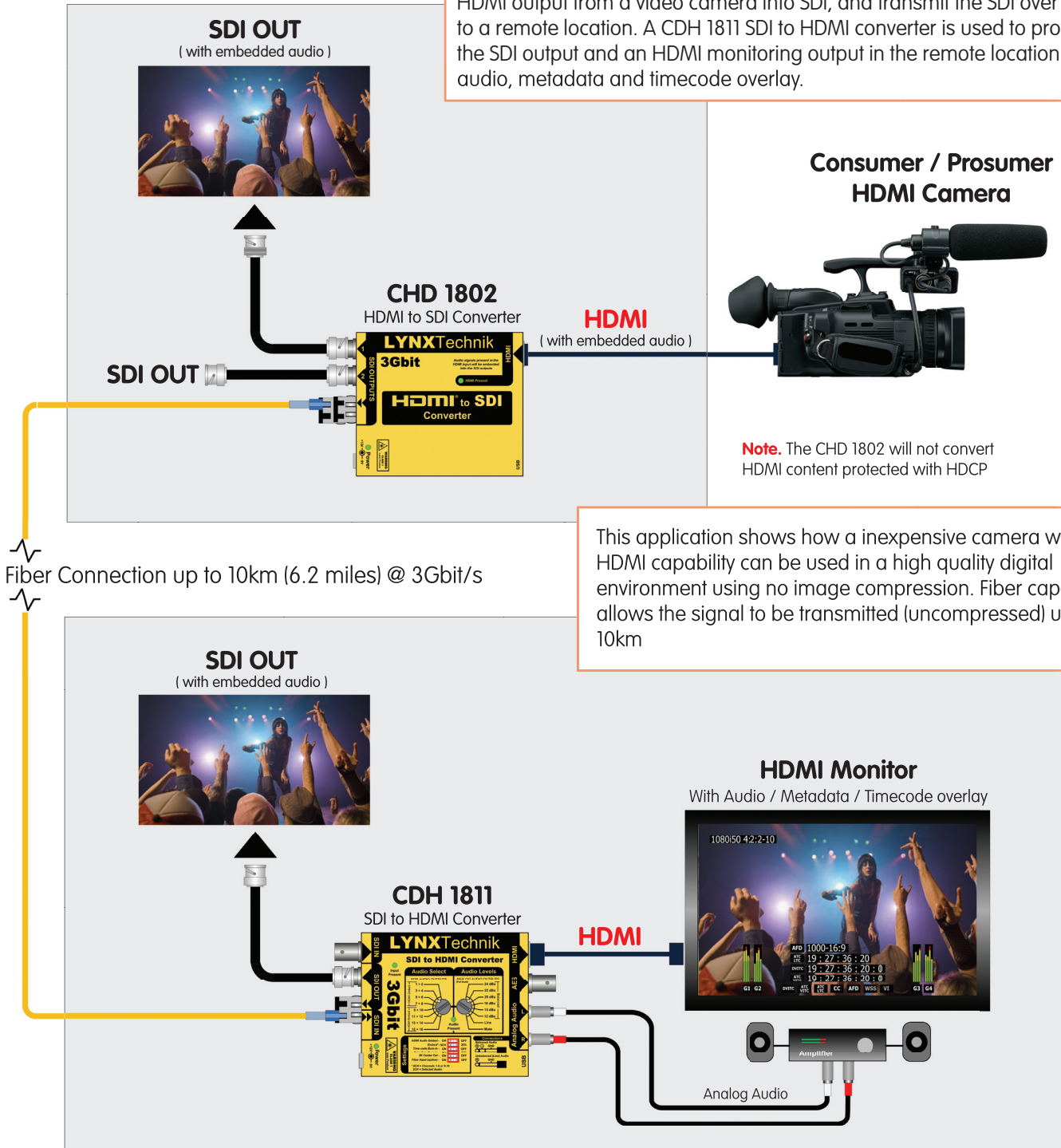
XLR 1000

Use with a standard 4 pin XLR camera battery power source.

Specifications subject to change

CHD 1802 Application

An example application is shown below, using the CHD 1802 to convert the HDMI output from a video camera into SDI, and transmit the SDI over fiber to a remote location. A CDH 1811 SDI to HDMI converter is used to provide the SDI output and an HDMI monitoring output in the remote location with audio, metadata and timecode overlay.



This application shows how an inexpensive camera with HDMI capability can be used in a high quality digital environment using no image compression. Fiber capability allows the signal to be transmitted (uncompressed) up to 10km

Note. Overlay mode can be switched on or off. Overlay is monitoring only, does not generate timecode or metadata