

nanoSDI2HDMI

SDI to HDMI converter



**Advanced Micro
Peripherals**

THE EMBEDDED VIDEO EXPERTS

The nanoSDI2HDMI is an SDI to HDMI converter on a compact miniPCI-express form factor card. The nanoSDI2HDMI automatically converts High Definition SDI to HDMI. The compact form factor means the nanoSDI2HDMI is ideal for video conversion in SWaP constrained systems.



The nanoSDI2HDMI accepts SDI input on a 75 Ohm MCX connector. The SDI is automatically converted and output as HDMI/DVI on a flat flex connector at the same video resolution and frame rate as the input. The nanoSDI2HDMI supports audio, transferring audio embedded in the HD-SDI input into the HDMI output. Cable sets are available for the nanoSDI2HDMI that provide panel mount standard DVI or HDMI connectors.

The nanoSDI2HDMI is an intelligent module that requires no user configuration. The nanoSDI2HDMI is conveniently powered via the miniPCI-express connector.

Rev A.00

Preliminary. Subject to change without notification

Advanced Micro Peripherals Ltd
Cambridge, CB6 2HY, England
Tel (+44) 1353 659500
Fax (+44) 1353 659600
sales@amp ltd.com
<http://www.amp ltd.com>

Advanced Micro Peripherals Inc
New York, NY10007, USA
Tel (+1) 212 951 7205
Fax (+1) 212 658 9073
sales@amp-usa.com
<http://www.amp-usa.com>

SDI to
HDMI/DVI
Conversion

nanoSDI2HDMI

SDI to HDMI converter



**Advanced Micro
Peripherals**

THE EMBEDDED VIDEO EXPERTS



SMPTE compliant

SDI input

SMPTE 259M SD,

SMPTE 292M HD,

SMPTE 424M 3G

(up to 1080p60)

Applications

Vehicle situational awareness

Law Enforcement

Crime Scene Recording

Remote Video Surveillance

Multi-camera Security Application

Asset Monitoring

Traffic Monitoring and Control

Video Acquisition and Analytics

Advanced Micro Peripherals Ltd

Cambridge, CB6 2HY, England

Tel (+44) 1353 659500

Fax (+44) 1353 659600

sales@amp ltd.com

<http://www.amp ltd.com>

Advanced Micro Peripherals Inc

New York, NY10007, USA

Tel (+1) 212 951 7205

Fax (+1) 212 658 9073

sales@amp-usa.com

<http://www.amp-usa.com>

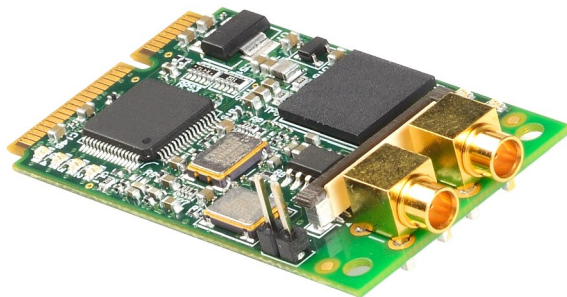
nanoSDI2HDMI

SDI to HDMI converter



**Advanced Micro
Peripherals**

THE EMBEDDED VIDEO EXPERTS



*Image for illustrative purposes only
Please refer to product description*

Features

SDI-to-HDMI conversion

SMPTE compliant SDI input:

SMPTE 259M Standard definition (NTSC and PAL)

SMPTE 292M High definition (up to 1080p30)

SMPTE 424M 3G (up to 1080p60)

HDMI/DVI Output

SDI passthru output

Embedded audio

Low power operation

Single +3.3V operation

Very small footprint miniPCI-express form factor.

SWaP optimised for
applications in the
Military,
Transportation,
Mining and
Energy Industries

Advanced Micro Peripherals Ltd
Cambridge, CB6 2HY, England
Tel (+44) 1353 659500
Fax (+44) 1353 659600
sales@ampltd.com
<http://www.ampltd.com>

Advanced Micro Peripherals Inc
New York, NY10007, USA
Tel (+1) 212 951 7205
Fax (+1) 212 658 9073
sales@amp-usa.com
<http://www.amp-usa.com>

Video Input

- SMPTE compliant SDI input
 - SMPTE 259M Standard definition (NTSC and PAL)
 - SMPTE 292M High definition (up to 1080p30)
 - SMPTE 424M 3G (up to 1080p60)
- 75 Ohm MCX connector
- Supports audio embedded in the SDI input
- SDI passthru

Video output

- DVI Compliant HDMI output

Power

- Single +3.3V power operation

Miscellaneous

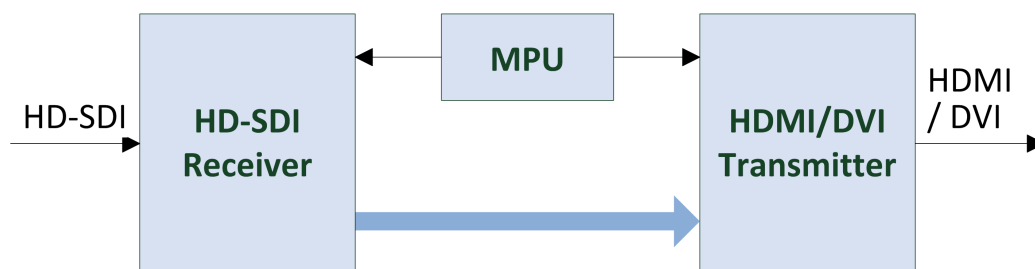
- Standard full height miniPCI-Express form factor
- Operating temp -40°C to +85°C

Ordering Information

- nanoSDI2HDMI-Ext**
SDI to HDMI converter (-40°C to +85°C)
- CABLE-nanoSDI2HDMI**
Cableset for nanoSDI2HDMI
(1x MCX to BNC SDI input cable, 1x DVI output cable assembly)
- CABLE-nanoSDI2DHMI-PNL**
Cableset for nanoSDI2HDMI
(1x MCX to BNC SDI input cable, 1x HDMI panel mount connector output cable assembly)

Related Products

- HDMI2SDI/mini-EXT**
HDMI to HD-SDI converter (-40°C to +85°C)



nanoSDI2HDMI Functional Diagram

Rev A.00

Subject to change without notification

