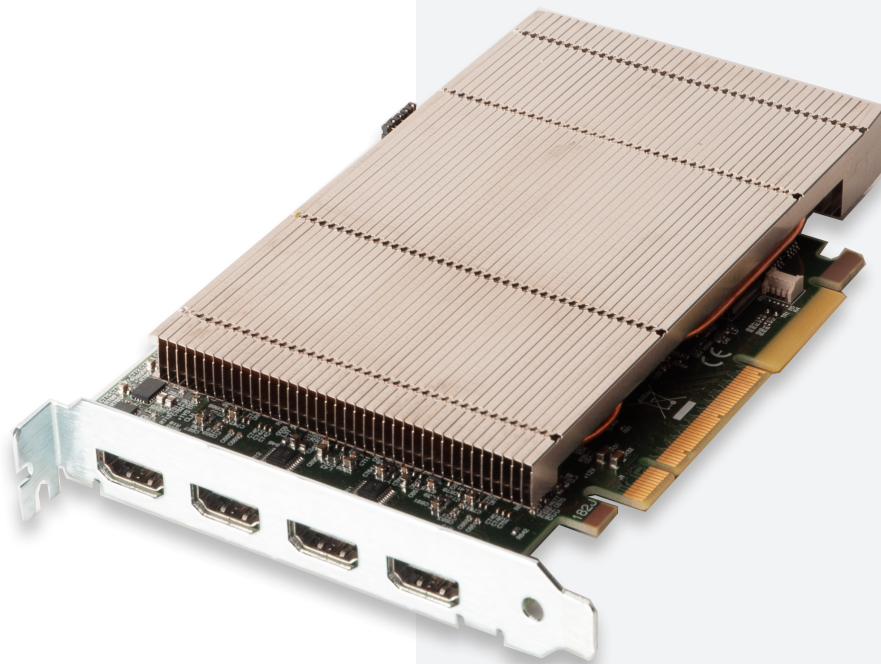


VisionSC-HD4+

Professional audio and video capture card



HIGH PERFORMANCE CARD

A wide range of applications demand multiple channels of video capture from a single card. Markets include advanced medical, defence and security applications. Suitable for these markets and others, Datapath's VisionSC-HD4+ audio video capture card provides an outstanding, powerful solution for multiple HDMI or DVI video capture with support for HDCP*.

QUAD HDMI VIDEO CAPTURE

The VisionSC-HD4+ has four onboard HDMI 1.4 video capture channels; two channels supporting 3840 x 2160 at 60fps and two channels offering support for 1920 x 1080 at 60fps. All four channels are capable of operating independently of each other, enabling four separate 4 video sources to be captured and controlled simultaneously. The card also has embedded audio support across all four channels. The VisionSC-HD4+ has 4 x HDMI connectors, DVI adapters are available on request (see below).

Engineering the **world's best** visual solutions


EXCELLENCE BY DESIGN

Advanced graphics display

VISION PERFORMANCE FEATURES

The VisionSC-HD4+ is supplied with the Datapath Vision Performance Driver. Combining both Hardware and Software enhancements the Vision Performance Driver provides users with a variety of features to help them achieve their goals.

Features include LiveStream:Capture, low latency capture solution, MultiStream allowing for the independent control of multiple instances of a single capture, a hardware based time stamping facility, automatic signal detection and more.

VIDEO STREAMING

For streaming applications, the VisionSC-HD4+ can be used with Windows Media Encoder to compress and stream captured video. To replay the video, use Windows® Media Player.

Any application compatible with Windows® DirectShow technology can use the VisionSC-HDMI4 due to its built-in WDM support.

COMPATIBILITY

The VisionSC-HD4+ is supported by the following operating systems: Windows® 10, 11, Windows Server 2019, 2022. Video 4 Linux (V4L)

Datapath SDK is included for software developers.

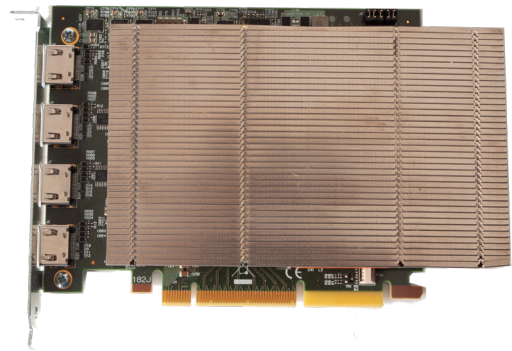
MODELS AVAILABLE

Order Code: VisionSC-HD4+/H

Capture card with 4 x HDMI inputs

Order Code: VisionSC-HD4+/D

Capture card with 4 x HDMI inputs plus DVI adapter cables



SPECIFICATION

BOARD FORMAT

PCIe Gen 3 x8 plug-in card

DIMENSIONS

110mm x 177mm (inc. heat sink)

CONNECTORS

4 x HDMI connectors. Optional DVI adapters are available on request (see Models Available above).

UPDATE RATE

Channels 1 & 3 - 297 MP/s
Channels 2 & 4 - 165 MP/s

MAX CAPTURE RESOLUTION

Channels 1 & 3 2 x 3840 x 2160p at 60Hz
Channels 2 & 4 2 x 1920 x 1080p at 60Hz

FRAME BUFFER

768MB

PIXEL TRANSFER FORMATS

RGB: 5-5-5, 5-6-5 or 8-8-8
(24bit/32bit) YUV: 4:2:2
MONO: 8bit

VIDEO MODES

HDMI 1.4, HDMI 1.3, DVI

POWER REQUIREMENTS

Max current at +3.3 - 0.45A. Max current at +12V - 0.85A Max power ≈ 18W

OPERATING TEMPERATURE

0 °C to 35 °C / 32 °F to 96 °F

STORAGE TEMPERATURE

-20 °C to 70 °C / -4 °F to 158 °F

RELATIVE HUMIDITY

5% to 90% non-condensing

WARRANTY

3 years

*HDCP support requires the use of a Datapath Graphics Card.

All products are shipped with the latest software available, unless stated otherwise. Special requirements may be organised by contacting our Sales team.

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