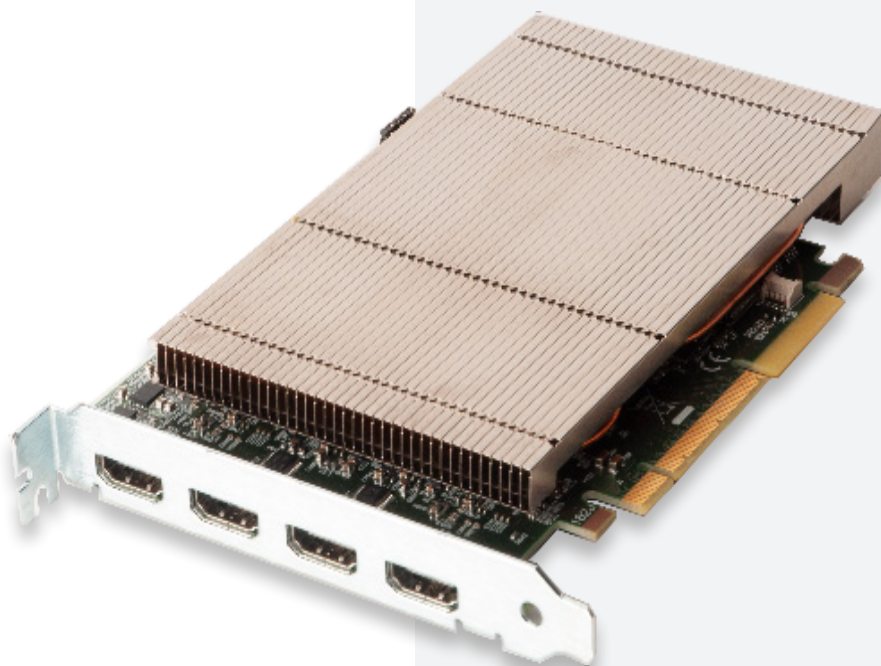


VisionSC-HD4+

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


DATAPATH
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.

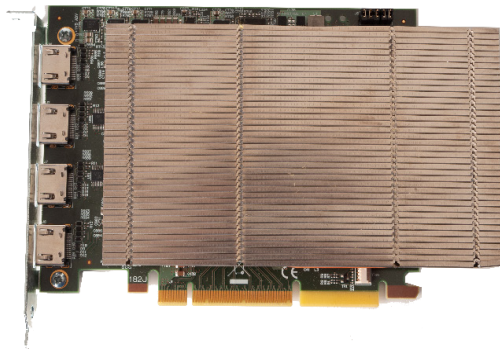
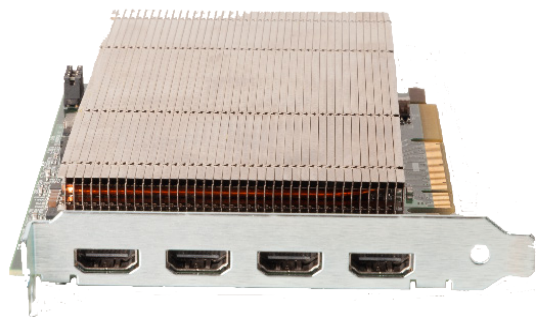
MODELS AVAILABLE

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: 4:4:4, 5-5-5, 5-6-5 or 8-8-8
(24bit/32bit) YUV: 4:2:2, 4:2:0
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.

Datapath UK and Corporate Headquarters
Bemrose House, Bemrose Park,
Wayzgoose Drive, Derby,
DE21 6XQ, United Kingdom

☎ +44 (0) 1332 294 441
✉ sales-uk@datapath.co.uk

Datapath North America
2490 General Armistead Avenue,
Suite 102, Norristown,
PA 19403,
USA

☎ +1 484 679 1553
✉ sales-us@datapath.co.uk

Datapath Japan
Axon Hamamatsucho,
1-1-23 Shibadaimon,
Minato-ku,
Tokyo-to,
105-0012, Japan
✉ sales-jp@datapath.co.uk

www.datapath.co.uk

DATAPATH
EXCELLENCE BY DESIGN