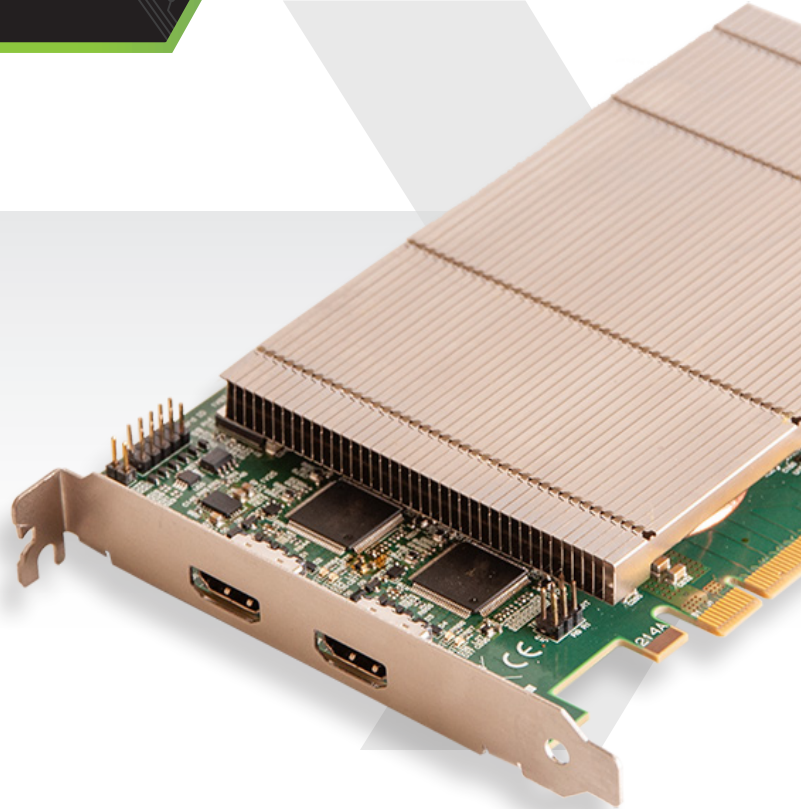


Dual HDMI 2.0 Video Capture Card Advanced Capture Technology



+ DESCRIPTION

AV integrators demand the highest resolution video offering both detail and colour accuracy when creating the most stunning visual displays. From command and control rooms to reception areas, collaboration environments and digital signage applications, the VisionSC-UHD2 ensures the very best quality and ultimate customer satisfaction.

+ FEATURES

- Two independent HDMI 2.0 capture channels
- Eight lane PCIe Gen.3 interface, Net 6 GB/s total capture bandwidth
- 2 GB Frame Buffer Memory
- Full 10-bit processing pipeline with support for HDR10
- Up to 8K by 8K resolutions
- Built for the highest density systems supporting multiple inputs.

Providing two HDMI 2.0 capture channels with HDCP 2.2 at 4K60p with full 4:4:4 colour sampling, the VisionSC-UHD2 compliments our hugely successful VisionSC capture card family and offers unparalleled performance in frame grabber technology.

- Full support of the Vision Performance Feature set
- Datapath unified Windows® and Linux® driver support

Capture the detail...

Distributor / Vertrieb:

VIDELCO Europe Limited – Professionelle Audio- Video- Medien-Technik
Fon: +49 (0)2102 / 86 39-00 • Fax: +49 (0)2102 / 86 39-17 • info@videlco.eu • www.videlco.eu

+ VISION PERFORMANCE FEATURES

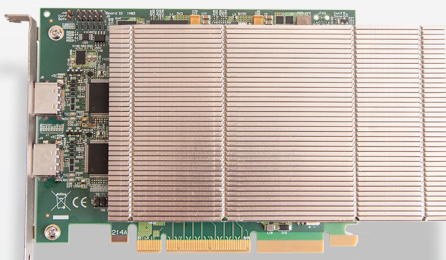
The VisionSC-UHD2 is supported by the Datapath Vision Performance Driver. Features include: Datapath LiveStream for a single line of capture latency, MultiStream for multiple capture instances, hardware timestamping, HDMI signal conditioning supporting longer cable runs, automatic fast & reliable mode detection, frame synchronised ganging of inputs (dual 4K into 8K x 2K), flexible onboard Colour Space Converter plus a whole lot more. An advanced hardware scaling engine with polyphase multi-tap filter also provides superb anti-aliasing performance when downscaling and smoother transitions when upscaling.

+ PROVEN AND RELIABLE SDK

Built for the future, Datapath continues to maintain and support its RGBEasy SDK for application developers as well as offering a Microsoft DirectShow interface based on the AV Stream framework. Inputs can be accessed by any DirectShow or Media Foundation applications including:

- Microsoft Media Encoder
- VLC
- Telestream WireCast
- vMix
- Opencast Matterhorn
- VidBlaster
- OBS Project
- Adobe Flash Media Encoder
- Dataton Watchout

A Video for Linux (V4L) driver package is also available for download.



Distributor / Vertrieb:

VIDELCO Europe Limited – Professionelle Audio- Video- Medien-Technik
 Fon: +49 (0)2102 / 86 39-00 • Fax: +49 (0)2102 / 86 39-17 • info@videlco.eu • www.videlco.eu

+ SPECIFICATIONS

Board Format	PCIe x8 plug-in card
Dimensions	110mm x 177mm (incl heat sync)
Connectors	Dual HDMI 2.0
Max Capture Rate	600MHz TMDS Clock Max capture surface of 8k x 8k*
Frame Buffer	2GB
Input Mode Detection	Automatic
Pixel Transfer Formats	RGB: 5-5-5, 5-6-5 or 8-8-8 (24 / 32) (via Colour Space Converter) YUV: 4:2:2, MONO: 8bit, NV12, YV12, YUY2, UYVY, YVYU, RGB10, Y410
Update Rate	Captured frame rate will match the source providing PCIe bandwidth is not exceeded Multi-buffered to eliminate tearing artifacts.
Video Modes	HDMI 2.0, HDMI 1.4, HDMI 1.3
Operating System Support	Windows® XP, Windows Vista, Windows Server 2003, Windows Server 2008, Windows 7 and Windows 8/10
Power requirements	Max current at +3.3 - 0.45A. Max current at +12V - 0.85A Max power ≈ 18W
Operating Temperature	0 to 35 deg C/ 32 to 96 deg F
Storage Temperature	-20 to 70 DegC (-4 to 158 DegF)
Relative Humidity	5% to 90% non -condensing
Warranty	3 years

+ MODELS AVAILABLE

VisionSC-UHD2
 Dual HDMI 2.0 capture card

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