

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 supporting 4K60 with 4:4:4 chroma sampling.
- Eight lane PCIe Gen.3 interface, Net 6GB/s total capture bandwidth.
- 2GB Frame Buffer Memory.
- Full 10-bit processing pipeline.
- Fully scalable for use in high density systems supporting multiple capture cards.
- Full support of the Vision Performance Feature set.
- Datapath unified Windows® and Linux® driver support.



Capture the detail...

+ VISION PERFORMANCE FEATURES

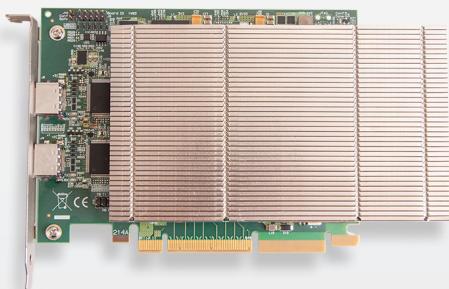
The VisionSC-UHD2 supports all Datapath Vision Performance features. This includes LiveStream for a single line of capture latency, MultiStream for multiple capture instances, hardware timestamping, HDMI signal conditioning to support longer cable runs, automatic fast and reliable mode detection, frame 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 employs polyphase multi-tap filtering for superior anti-aliasing when downscaling and accurate pixel replication when upscaling.

+ PROVEN AND RELIABLE SDK

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

- Dataton Watchout
- PanOpto
- vMix
- Telestream Wirecast
- Opencast Video Solution
- VidBlasterX
- Open Broadcaster Software (OBS)
- Adobe Flash Media Live Encoder
- VLC.

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



+ SPECIFICATIONS

Board Format	PCIe x8 plug-in card
Dimensions	110mm x 177mm (incl heat sink)
Connectors	Dual HDMI 2.0
Max Capture Rate	600MHz TMDS Clock
Frame Buffer	2GB
Input Mode Detection	Automatic
Pixel Transfer Formats	RGB10 (10-bit), 8-8-8 (24/32) 5-6-5, 5-5-5, 8-bit mono Y410 (10-bit), 4:2:2, YUY2, UYVY, YVYU. Planar Modes: NV12, YV12.
Colour Spaces	BT2020, BT709, BT601 with selectable limited and full range encoding.
Update Rate	Captured frame rate will match the source providing PCIe bandwidth is not exceeded.
Video Standard	HDMI 2.0, HDMI 1.4, HDMI 1.3
Operating System	Windows 8/10, Windows 7, Windows XP, Windows Server 2008, Windows Vista, Windows Server 2003
Power Requirements	Max current at +3.3V - 1A Max current at +12V - 1.6A Max power ≈ 22W
Operating Temperature	0 to 35°C (32 to 96°F)
Storage Temperature	-20 to 70°C (-4 to 158°F)
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.

We are continuously developing the technology used within our product ranges to deliver outstanding innovative solutions, therefore the specification may change from time to time.