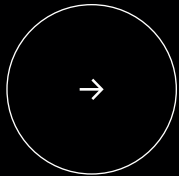


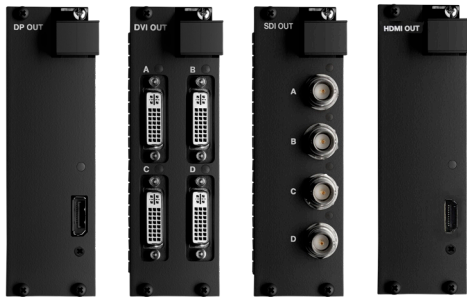
VFC cards



VFC cards

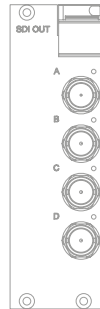
POWER TO ADAPT

Disguise's patented Video Format Conversion (VFC) technology is a swappable output card that slots into the back of the GX and VX range servers.



DISPLAYPORT 1.4

- 1x DisplayPort 1.4 output
- Genlocked output
- Up to 4096 x 2160px resolution
- Up to 60Hz* frame rate
- Up to 10bit**
- RGB and YUV 4:4:4, 4:2:2 and 4:2:0
- Support for HDR workflows

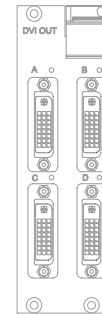


QUAD SDI

- 4x 3G-SDI outputs
- Genlocked output
- Up to 4096 x 2160px resolution when using Quad-Link
- Up to 60Hz frame rate
- Up to 10bit**
- YUV 4:2:2
- Support for HDR workflows

* For higher frame rates please contact our Solutions team.

** 10bit colourspace is available on VX, GX and EX range machines only.



QUAD DVI

- 4x Dual-Link DVI outputs
- Genlocked output
- Up to 2048 x 1080px resolution
- Up to 60Hz frame rate
- Up to 8bit
- RGB 4:2:2



HDMI

- 1x HDMI 2.0 output
- Genlocked output
- Up to 4096 x 2160px resolution
- Up to 60Hz* frame rate
- Up to 10bit**
- RGB and YUV 4:4:4, 4:2:2 and 4:2:0
- Support for HDR workflows

IP-VFC

UNLOCK HIGHER IMAGE FIDELITY

You can now enable a SMPTE ST 2110 video output from your Disguise hardware with minimal latency thanks to our new IP-VFC card.



TECHNICAL SPECIFICATIONS

Bit depth: 10-bit (all modes)

Chroma subsampling: YUV 4:4:4, YUV 4:2:2, RGB 4:2:2 (all modes)

Colour space: REC 709, REC 2020 (all modes except HD Video at 1280 x 720 which supports REC 709 only)

SFP Support: Support for 25Gb SFP28* for ST 2110 mode and coaxial video SFP modules for SDI mode

SUPPORTED FORMATS

4K DCI (4096 x 2160)

4K DCI 23.98p, 4K DCI 24p, 4K DCI 25p, 4K DCI 29.97p, 4K DCI 30p, 4K DCI 50p, 4K DCI 59.94p, 4K DCI 60p (SINGLE)**

UHD (3840 x 2160)

2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p50, 2160p59.94, 2160p60 (SINGLE)**

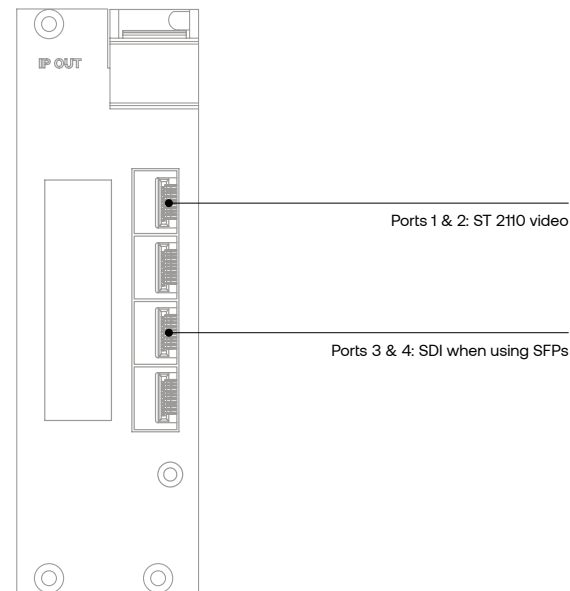
2K DCI (2048 x 1080)

2K DCI 23.98p, 2K DCI 24p, 2K DCI 25p, 2K DCI 29.97p, 2K DCI 30p, 2K DCI 50p, 2K DCI 59.94p, 2K DCI 60p (SINGLE, QUAD)**

Full HD (1920 x 1080)

1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080i50, 1080p59.94, 1080i59.94, 1080p60 (SINGLE, QUAD)**

HD (1280 x 720) 720p23.98, 720p24, 720p25, 720p29.97, 720p30, 720p50, 720p59.94, 720p60 (SINGLE, QUAD)**



* There is currently no support for 10Gb SFP28.

**The IP-VFC has a split mode, which indicates how the video is formatted. SINGLE mode is when a single video output is enabled for usage with 25GbE SFP28 or a single 12G SDI optical transceiver, whilst QUAD Mode splits the image into four quadrants for usage with two 3G SDI optical transceivers.