

NEXT GENERATION DISPLAY WALL CONTROLLER

One box. Four outputs.
Millions of possibilities.



+ HIGH PERFORMANCE CONTROLLER

Live events and broadcast markets face similar challenges when deploying video walls. Fast transmission speeds are paramount to project success, with large distances needing to be covered by vast networks of cables.

The Datapath Fx4-SDI offers the perfect solution for staging and televised video walls. Delivering four SDI outputs and the ability to loop multiple units together, even the largest, most complex video wall installations are possible. Datapath's intuitive Wall Designer software and fully featured API means that whole projects can be quickly set up and easy to manage.

A choice of 3G SDI, DisplayPort1.2 and HDMI1.4 inputs, the Datapath Fx4-SDI offers up to 4k 4096x2160p at 60fps.

+ FEATURES

- Infinite creative configurations
- Up to UHD / 4k 60 input, four SDI 1080p outputs
- Rotates, crops, scales, mirrors and bezel corrects
- Multiple inputs for flexible connectivity
- True stand-alone operation: Datapath Fx4-SDI can adapt to changes in inputs by adjusting all scale factors
- Network or USB interfaces allow platform independent control (MAC OS X 10.6 & later)
- Pre-load an image for use when signal is not detected

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+ ADDITIONAL FEATURES

Each output monitor can take its input from any region of the input image as all of the required cropping, scaling, rotation and frame-rate conversion is handled by the Fx4 hardware. These regions can overlap to allow any output to replicate another or can be configured to support any creative splice of the source material. This allows the support of many non-rectangular screen arrangements, as well as any mix of monitor orientations allowing users to create an almost unlimited multi-monitor canvas.

The Datapath Fx4-SDI also allows users to pre-load an image for immediate display in those cases when the media source or cables malfunction and no signal is being received.

+ NETWORK CONNECTIVITY

The Datapath Fx4-SDI has dual Ethernet ports to allow users to add the device to their networks. Only one Datapath Fx4-SDI in the chain requires connection to the physical LAN as Ethernet loop through is supported on the second port, meaning multiple devices can be connected.

+ WALL DESIGNER

Datapath's hugely popular multi-screen design tool, Wall Designer has also been updated to incorporate Datapath Fx4-SDI. Wall Designer allows users to add displays from the ever expanding database of monitors, visualise their content by adding inputs and adjusting display regions and finally instantly program all Datapath Fx4s either via USB or the network ports.

+ MODELS AVAILABLE

Order Code: Datapath Fx4-SDI
4k display controller w/4 x SDI outputs

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

+ SPECIFICATION

Dimensions	316 x 172 x 42mm (1.86kg)
Operating temperature	0 - 35 °C/32 - 96 °F
Power requirements	IEC switched and fused mains connector 100-240V, 50/60Hz / 35W
Video input connections	3G SDI (1080p/60 or equivalent up to 148.5MP/s) DisplayPort1.2 (2160p/60 or equivalent up to 616MP/s) HDMI1.4 (2160p/30 or equivalent up to 297MP/s)
Video output connections	4 x 3G SDI (1080p/60 or equivalent up to 165MP/s) Loop-through: DisplayPort1.2 (locked to selected video input resolution)
SDI SMPTE standards	SMPTE ST 2048 up to 60Hz SMPTE 274M up to 60Hz SMPTE 296M up to 60Hz
Input surface	4096x2160p at 60 8k x 8k maximum
Genlock input	Analog black-burst on dedicated BNC connector. Any video input (SDI, HDMI, DisplayPort)
Control interfaces	Dual 100BaseT Ethernet ports with inbuilt managed switch. USB 2.0 Type B connector (full speed operation)
Firmware support	Updates supported via USB and Ethernet connection
Storage	-20 to 70°C
Relative humidity	5%-90% non-condensing
Warranty	3 years

This is a preliminary product datasheet.

We are continuously developing the technology used within our products. Specifications are subject to change.