

# Fx4-SDI

One box. Four outputs.  
Millions of possibilities.



# Fx4-SDI

## 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 4096 x 2160p at 60fps.

## FEATURES

- Infinite creative configurations
- Up to UHD / 4K60 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 OSX 10.13 & later)
- Pre-load an image for use when signal is not detected

Engineering the **world's best** visual solutions

**DATAPATH**  
EXCELLENCE BY DESIGN

# Next generation display wall controller

## 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

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



## SPECIFICATION

### DIMENSIONS

**Size**  
316mm (l) x 172mm (w)  
x 42mm (h)

**Weight**  
1.86kg

**OPERATING TEMPERATURE**  
0 °C to 35 °C / 32 °F to 96 °F

**POWER REQUIREMENTS**  
IEC switched and fused mains  
connector 100-240V,  
50/60Hz / 35W

**VIDEO INPUT CONNECTIONS**  
1 x 3G SDI (1080p60 or equivalent  
up to 148.5MP/s)

1 x DisplayPort1.2 (2160p60 or  
equivalent up to 616MP/s)  
1 x HDMI1.4 (2160p60 (4:2:0),  
2160p30 or equivalent up to  
297MP/s)

**VIDEO OUTPUT CONNECTIONS**  
4 x 3G SDI (1080p60 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**  
4096 x 2160p at 60  
8K x 8K maximum

**GENLOCK INPUT**  
Analog HD tri-level sync on  
dedicated BNC connector.  
Any video input (SDI, HDMI,  
DisplayPort)

**CONTROL INTERFACES**  
Dual 100Base-T 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 °C to 70 °C / -4 °F to 158 °F

**RELATIVE HUMIDITY**  
5%-90% non-condensing

**WARRANTY**  
3 years

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

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