

Fx4-SDI

Compact, standalone Video Wall Controller with four SDI outputs



Flexible Video Wall Controller for Live Events and Broadcast

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.

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. VITEC's intuitive Wall Designer software and fully featured API means that whole projects can be quickly set up and easy to manage.

With a choice of 3G SDI, DisplayPort 1.2 and HDMI 1.4 inputs, Fx4-SDI offers up to 4K 4096 x 2160p at 60fps.

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 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.

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.

Features & Benefits

- 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: 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

Network Connectivity

Fx4-SDI has dual Ethernet ports to allow users to add the device to their networks. Only one Fx4-SDI device 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

Configure multi-screen video walls with ease, using VITEC's intuitive Wall Designer software. Wall Designer allows users to add displays from the ever-expanding database of monitors, visualize their content by adding inputs and adjusting display regions and instantly program all devices either via USB or by using the network ports.



Specifications

Video Interfaces

Video Inputs

- 1x SDI:
 - 3G SDI (Level A): from SD up to 1080p60
- 1x DisplayPort:
 - DP 1.2: from SD up to 2160p60
- 1 x HDMI:
 - HDMI 1.4: from SD up to 2160p30

Video Outputs

- 4 x SDI:
 - 3G SDI: from SD up to 1080p60
- 1x DisplayPort:
 - DP 1.2 loop-through port, locked to selected video input resolution

Genlock Input

- Analog HD tri-level sync on dedicated BNC connector, or any video input (selectable)

Management

- Dual 100Base-T Ethernet ports with in-built managed switch
- USB 2.0 Type B connector (full-speed operation)
- Updates supported via USB and Ethernet connection

Physical

- Dimensions: 316mm (l) x 172mm (w) x 42mm (h)
- Weight: 1.86kg

Environmental/Regulation

- 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
- Relative humidity: 5%-90% non-condensing
- Storage: -20°C to 70°C/-4°F to 158°F

Ordering Information (P/N)

- 19047 - FX4-SDI - Video Wall Controller - 4x SDI