

Fx4

Compact, standalone Video Wall Controller with four outputs



High Performance Video Wall Controller

Advancements in digital signage allow much greater freedom in creating and deploying any scale signage projects. At the forefront of this is the VITEC Fx4, a multi-faceted standalone display controller. Fx4 supports a choice of inputs, high bandwidth loop-through as well as four genlocked outputs in either DisplayPort or HDMI.

Fx4 features a DisplayPort 1.2 main input alongside two HDMI 1.4 inputs offering 4K 4096 x 2160p at 60fps. The intuitive user interface allows users to determine which input is used.

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 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
- UHD/4K60 input, four HD 1080p outputs
- Rotates, crops, scales, mirrors and bezel corrects
- Multiple inputs for flexible connectivity (Dual HDMI 1.4 or single DisplayPort 1.2 inputs)
- HDCP 1.4 support on all inputs and outputs
- True standalone operation: Fx4 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 has dual Ethernet ports to allow users to add the device to their networks. Only one Fx4 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 (FX4-D/-H)

- 1x DisplayPort:
 - DP 1.2: from SD up to 2160p60
- 2 x HDMI:
 - HDMI 1.4: from SD up to 2160p30

Video Outputs (Fx4-H)

- 4x HDMI:
 - HDMI 1.3: up to 1080p60 or 1200p60
- 1x DisplayPort:
 - DP 1.2 loop-through port, locked to selected video input resolution

Video Outputs (Fx4-D)

- 5x DisplayPort:
 - 4x DP 1.1: up to 1080p60 or 1200p60
 - 1x 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)
- Analog HD tri-level sync on dedicated BNC connector

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)

- 19404 - FX4-D - Video Wall Controller - 4x Display Port
- 19405 - FX4-H - Video Wall Controller - 4x HDMI