

Fx4-HDR

Compact, standalone Video Wall Controller with four HDR HDMI outputs



Flexible Video Wall Controller

Digital signage solutions that stand out from the crowd need a creative display controller that stands out too. Fx4-HDR brings superb HDR 10-bit color clarity, 4K60 resolution and audio support.

Supporting a choice of HDMI 2.0 and two additional 1.4 inputs, Fx4-HDR is fully HDCP2.2-capable and supports a high bandwidth loop-through for daisy-chaining multiple devices and creating large video walls.

Additional Features

Each output can take its input from any region of the input canvas with all of the required cropping, scaling, rotation and frame-rate conversion handled by Fx4-HDR 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.

Furthermore, downscaling support on each output allows each selected content region to be output and contained within an arbitrary area of the screen, filling the rest of the screen with a flat color of user choice. This can be used to correct content aspect ratio when displaying logos etc. on non-standard screen arrangements, or to drive multiple LED controllers with exactly the correct pixels for each section of a connected LED fixture.

Features & Benefits

- Infinite creative configurations
- Multiple inputs for flexible connectivity
- Four independent outputs up to 1920 x 1200 at 60Hz
- High bandwidth loop-through for daisy-chaining multiple units
- Audio passthrough, configurable to any single or multiple outputs
- Rotate, scale, crop, mirror and bezel correction processing
- Content region selection for each output with upscaling and downscaling support
- True standalone operation: Fx4-HDR 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-HDR has dual Ethernet ports to allow users to add the device to their networks. Only one Fx4-HDR 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

- 3 x HDMI:
 - 1x HDMI 2.0: from SD up to 2160p60
 - 2 x HDMI 1.4: from SD up to 2160p30

Video Outputs

- 5 x HDMI:
 - 4x HDMI 1.4: up to 1080p60 or 1200p60
 - 1 x HDMI 2.0 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 temperatures: 0°C to 35°C/32°F to 96°F
- Relative humidity: 5% - 90% non-condensing
- Power requirements: IEC switched and fused mains connector 100-240V 50/60Hz/35W
- Storage: -20°C to 70°C/-4°F to 158°F

Ordering Information (P/N)

- 19406 - FX4-HDR - Video Wall Controller - 4x HDMI - HDR