

EMS Xtreme4fx



NEXT GENERATION DISPLAY WALL CONTROLLER

One box. Four outputs.
Millions of possibilities.



+ HIGH PERFORMANCE CONTROLLER

Advancements in digital signage allow much greater freedom in creating and deploying any scale signage projects. At the forefront of this is the EMS Xtreme4Fx, a multi-faceted stand alone display controller.

The Xtreme4Fx supports a choice of inputs, high bandwidth loop-through as well as 4 genlocked outputs in either DisplayPort or HDMI.

The 4Fx features a DisplayPort1.2 main input alongside two HDMI1.4 inputs offering either 4k 4096x2160p at 60fps or UHD 2160p at 30fps respectively. The intuitive user interface allows users to determine which input is used.

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- Infinite creative configurations
- Up to UHD / 4K60 input, four HD 1080p outputs
- Rotates, crops, scales, mirrors and bezel corrects
- Multiple inputs for flexible connectivity (Dual HDMI1.4 or single DisplayPort1.2 inputs)
- HDCP support on all inputs and outputs
- True stand-alone operation: 4Fx 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

Creativity Made Simple

+ 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 Xtreme4Fx 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 Xtreme4Fx 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 EMS Xtreme4Fx has dual ethernet ports to allow users to add the device to their networks. Only one EMS 4Fx 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

EMS's hugely popular multi-screen design tool, Wall Designer has also been updated to incorporate Xtreme4Fx. 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 EMS Xtreme4Fxs either via USB or the network ports.

+ MODELS AVAILABLE

Order Code: EMS Xtreme4Fx/H
4k display controller w/HDCP - HDMI outputs

Order Code: EMS Xtreme4Fx/D
4k display controller w/HDCP - DisplayPort 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	DisplayPort1.2 (2160p/60 or equivalent up to 616MP/s) 2x HDMI1.4 (2160p/30 or equivalent up to 297MP/s)
Video Output connections	HDMI version: 4 x HDMI1.4 (1080p/60 or equivalent up to 165MP/s) DisplayPort version: 4 x DP1.1 (1080p/60 or equivalent up to 165MP/s) Loop-through (both versions): DisplayPort1.2 (locked to selected video input resolution)
Input Surface	8k x 8k maximum
Genlock Input	Analog black-burst on dedicated BNC connector. Any video input (HDMI1, HDMI2, 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

We are continuously developing the technology used within our product specifications are subject to change.

