

Xtreme-Fx4-SDI-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 EMS Xtreme-Fx4-SDI-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. EMS'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 EMS Xtreme-Fx4-SDI-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: EMS Xtreme-Fx4-SDI-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



EMS
Imaging
Advanced Imaging Technology

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 Xtreme-Fx4-SDI 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 EMS Xtreme-Fx4-SDI-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.

WALL DESIGNER

EMS's hugely popular multi-screen design tool, Wall Designer has also been updated to incorporate EMS Xtreme-Fx4-SDI-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 EMS Xtreme-Fx4-SDIs either via USB or the network ports.

MODELS AVAILABLE

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

NETWORK CONNECTIVITY

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



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 (1080p/60 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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