QSS 404

HIGH RESOLUTION
MULTI-OUTPUT SCALER

- High performance patented image scaling technology

- Supports input resolutions up to UXGA and HDTV 1080i or 1080p

- Variety of output resolutions up to SXGA+ and HDTV 1080i

- Composite, S-video, RGB, or component HD inputs

- Auto-detection of inputs

- Integrated source switcher

- DVI-I outputs - adapters supplied for analog video

- Ethernet port for scaler configuration

- Included software allows configuration of multiple QSS 404 units into larger systems

The QSS 404 is an easy-to-use, high performance scaler used to present a variety of input source types, including high definition video or graphic images, across multiple displays. Flexible output scaling features enable the QSS 404 to independently scale, crop, and magnify a source input across one to four displays. The QSS 404 is housed in a compact, rack-mountable enclosure and is ideal for single image videowalls, digital signage applications, or any application in which high quality or creative scaling capabilities are required across multiple displays.

Extron® Electronics
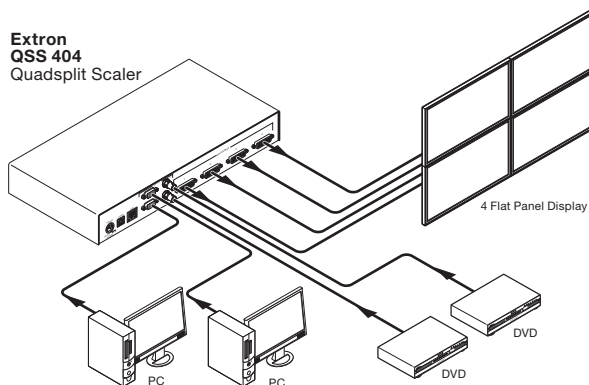INTERFACING, SWITCHING AND CONTROL

DESCRIPTION

The Extron **QSS 404** is a compact, multiple output scaler for one to four displays. It can be used to drive simple 2x2 display arrays, creative multi-panel arrays, or non-standard format projection and LED displays. Up to four inputs may be connected. One of these inputs may scaled or displayed in whole or in part, independently on each output. The ability to vary image scaling, cropping, zooming, and panning allows overlaps to be defined for edge-blended projection applications. The QSS 404's compact size allows it to be mounted behind flat-panel displays. All configuration is done through the Ethernet port using the included configuration software.

Using patented image scaling technology, the QSS 404 is able to accept inputs up to UXGA or HDTV, and scale and split the image to drive up to two displays at SXGA+ or HDTV 1080i, or four outputs at SXGA, WXGA, or HDTV 720p. Scaling images up or down, this technology produces very high quality images for any display or display array.

FEATURES

- **High performance patented image scaling technology**

- **Supports Input resolutions up to UXGA and HDTV 1080i or 1080p**

- **Variety of output resolutions up to SXGA+ and HDTV 1080i**

- **Composite, S-video, RGB, or component HD inputs**

- **Auto-detection of inputs**

- **Integrated source switcher**

- **DVI-I outputs - adapters supplied for analog video**

- **Ethernet port for scaler configuration**

- **Included software allows configuration of multiple QSS 404 units into larger systems**

APPLICATION DIAGRAM

**Extron
QSS 404**
Quadsplit Scaler

4 Flat Panel Display

DVD

DVD

PC

PC

SPECIFICATIONS

VIDEO INPUT

Number	2 for composite; 1 for S-video
Connector	BNC male
Format	NTSC / PAL / SECAM
Signal	1.0 Vp-p

COMPUTER / HD INPUT

Number	2
Connector	15 pin HD female
Resolution	Video to 1600 x 1200; 720p, 1080i, or 1080p
Scan	Interlaced and Progressive
Signal	Analog RGB / YPrPb 700mV, H&V or Sync on Green

DISPLAY OUTPUT

Number	4
Connector	DVI-I female (DVI-I to VGA adapters supplied)
Resolution	15 kHz Video to UXGA or 1080i - 4 outputs up to WXGA, SXGA or 720p - 2 outputs up to UXGA or 1080i
Scan	Interlaced and Progressive
Signal	Analog RGB / 700mV, H&V Sync
Largest magnification	16 x progressive input resolution 8 x interlaced input resolution
Smallest minification	16 x progressive input resolution 8 x interlaced input resolution

NETWORK CONNECTION

Connector	RJ45 female
Interface	10/100Mbps (100BaseT)
Protocol	TCP/IP
Addressing	Static IP
Functionality	Configuration

SERIAL CONNECTION

Connector	USB B female
Interface	USB 2.0
Functionality	Firmware upload only

PHYSICAL

Size	293 x 185 x 44 mm (11.55 x 7.30 x 1.75 inches)
Weight	1.43 lb (0.65kg)
Temperature	41° F- 96° F (3°C – 35°C)
Humidity	10 – 90% RH Non-condensing

POWER

Connector	3-pin 2-pole socket
Voltage	12V DC
Current	2.0A max at 12V
Mains	90-264V AC adapter supplied

APPROVALS

RFI/EMC	EN55022 Class B; EN55022 Class C; CE AC Adapter: FCC Class B; CE
Safety	EN60950-1 992 AC Adapter: UL, EN60950

Model	Version Description	Part number
QSS 404	Multi-Output Scaler	60-1115-01
QSS 404 RMK	Multi-Output Scaler Rack Mount Kit	60-1116-01

Specifications are subject to change without notice.