

Specifications

QSS 404

Video input

Number/signal type	2 RGBHV, RGBS, RGsB, component video (Y, R-Y, B-Y; progressive or HD) 1 or 2 (configurable) S-video, composite video
Connectors	(2) female 15-pin HD: RGBHV, RGBS, RGsB, component video 2 female BNC: S-video, composite video (configurable)
Formats.....	NTSC, PAL, SECAM
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB and for R-Y and B-Y of component video 0.3 Vp-p for C of S-video
Minimum/maximum levels.....	Analog: 0.0 V to 1.0 Vp-p with no offset
Impedance	75 ohms
Horizontal frequency	15-100 kHz
Vertical frequency.....	50-85 Hz
Resolution range	640x480 to 1600x1200; NTSC, PAL, 720p, 1080i, 1080p

Video processing

Digital sampling	24 bit, 8 bits per color; 13.5 MHz standard (video), 165 MHz standard (RGB)
Colors	16.78 million

Video output

Number/signal type	4 scaled DVI 4 scaled RGBHV
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NOTE: Only two outputs are active if 1400x1050 or 1080i output resolution is selected.

Connectors	4 female DVI-I (support RGBHV with provided DVI-A to 15-pin HD adapter)
Nominal level	0.7 Vp-p for RGB
Minimum/maximum levels.....	0.0 V to 1.0 Vp-p
Impedance	75 ohms
Vertical frequencies	50 Hz, 59.94 Hz, 60 Hz
Scaled resolution	640x480 ^{1,2} , 800x600 ^{1,2} , 848x480 ^{1,2} , 1024x768 ^{1,2} , 1152x870 ^{1,2} , 1280x768 ^{1,2} , 1280x1024 ^{1,2} , 1360x768 ^{1,2} , 1408x1050 ^{1,2} HDTV: NTSC(704x482i) ² , PAL (704x574i) ¹ , 720p ^{1,2} , 1080i ^{1,2,3} ¹ = at 50 Hz, ² = at 59.94 Hz, ³ = at 60 Hz

Sync

Input type	RGBHV, RGBS, RGsB, component video (tri-level or bi-level)
Output type	RGBHV
Input standards	NTSC 3.58, NTSC 4.43, PAL, SECAM
Input level	2.75 V to 5.0 Vp-p for RGBHV or RGBS 0.3 Vp-p for component video bi-level sync or RGsB
Output level	5.0 Vp-p for RGBHV
Input impedance	2.2k ohms
Output impedance	2.2k ohms

Control/remote — signal processor

Ethernet control port.....	1 female RJ-45 connector
Ethernet data rate	10/100 Mbps (100Base-T)
Ethernet protocol	IP, TCP
Ethernet default settings	IP address: 172.28.232.65 Subnet mask: 255.255.0.0 Gateway: 0.0.0.0 DHCP: Off
USB control port.....	1 female USB type B

NOTE: The USB port is used for firmware updates only.

USB specification.....	USB 2.0 compatible
Program control	Extron control/configuration program for Windows®

General

Power	100 VAC to 240 VAC, 50-60 Hz, external; 20 12 VDC, 2 A, regulated
Power input requirements	12 VDC, 0.5 A
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +41 to +95 °F (5 to +35 °C) / 10% to 90%, noncondensing
Cooling.....	Fan, left to right (as viewed from the front panel)
Mounting	
Rack mount.....	Yes, with optional rack mounting kit
Enclosure type.....	Metal
Enclosure dimensions	1.75" H x 11.5" W x 7.3" D (1U high) (4.1 cm H x 29.3 cm W x 18.5 cm D) (Depth excludes connectors.)
Product weight.....	1.4 lbs (0.6 kg)
Shipping weight.....	3 lbs (2 kg)
Vibration.....	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, UL
EMI/EMC	CE, FCC Class B
Warranty.....	3 years parts and labor

NOTES: All nominal levels are at $\pm 10\%$.
Specifications are subject to change without notice.

8.0-052210-D2-112012