

Specifications — QSD 204 Quad Standard Decoder

Video input

Number/signal type	1 RGBS, RGBcvS 1 component video (Y, R-Y, B-Y), S-video, composite video 1 SDI (optional) 1 S-video 1 composite video
Connectors	(1) 15-pin HD female (RGB) 3 BNC female (component video, S-video, composite video) 1 BNC female (optional SDI) (1) 4-pin mini-DIN female (S-video) 1 BNC female (composite video)
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB 0.3 Vp-p for R-Y and B-Y of component video, and 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	15.6 kHz to 17.75 kHz
Vertical frequency	50 Hz to 60 Hz
Return loss	<-30 dB @ 5 MHz

Video processing

Decoder	9 bit digital
Digital sampling	24 bit, 8 bits per color; 13.5 MHz standard
Colors	16.78 million

Video output

Number/signal type	2 decoded RGBHV, RGBS, RGsB, or component video
Connectors	6 BNC female, (1) 15-pin HD female
Nominal level	1 Vp-p for Y of component video 0.7 Vp-p for RGB 0.3V Vp-p for R-Y and B-Y of component video
Minimum/maximum levels	0.0 V to 1.0 Vp-p
Impedance	75 ohms
Vertical frequency	50 Hz to 60 Hz

Sync

Input type	RGBS, RGBcvS
Output type	RGBHV, RGBS, RGsB, component video
Standards	NTSC 3.58, NTSC 4.43, PAL, SECAM
Input level	RGBS: 0 V to 5.0 Vp-p RGBcvS: 0V to 1.0V Vp-p
Output level	TTL: 5.0 Vp-p, unterminated
Input impedance	75 ohms
Output impedance	75 ohms
Max input voltage	5.0 Vp-p
Max. propagation delay	20 ns
Polarity	Positive or negative (switch-selectable)

Control/remote — decoder

Serial control port	RS-232, 9-pin female D connector
Baud rate and protocol	9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configurations	1 = input 1 select, 2 = TX, 3 = RX, 4 = input 2 select, 5 = GND, 6 = input 3 select, 7 = input 4 select
Contact closure	9-pin female D connector (same as RS-232 connector)
Contact closure pin configurations	See pins 1, 4, 6, and 7 above.

IR controller module	IR 901
Program control	Extron's control/configuration program for Windows® Extron's Simple Instruction Set (SIS™)

General

Power	100VAC to 240VAC, 50/60 Hz, 30 watts, internal, autoswitchable
Temperature/humidity	Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, noncondensing Operating +32° to +122°F (0° to +50°C) / 10% to 90%, noncondensing
Rack mount	Yes, with optional rack shelf, part #60-190-01 or 60-604-01
Enclosure type	Metal
Enclosure dimensions	1.75" H x 8.75" W x 9.5" D (1U high, half rack width) 4.4 cm H x 22.2 cm W x 24.1 cm D (Depth excludes connectors and knobs.)
Product weight	3.3 lbs (1.5 kg)
Shipping weight	6 lbs (2.7 kg) DIM weight TBD
Vibration	ISTA/NSTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES
Warranty	3 years parts and labor

NOTE *All nominal levels are at ±10%.*

NOTE *Specifications are subject to change without notice.*

(7.50+-081304-D5)-112012