

Specifications — VSC 200, VSC 200D Scan Converters

Video input

Number/signal type	1 VGA, 1 Mac RGBHV, RGBS, and RGsB
Connectors	VGA 1 15-pin HD female + adapter cables and Mac 1 15-pin D female
Minimum/maximum levels	Analog 0V to 2.0V p-p with no offset at unity gain
Impedance	75 ohms or High Z (switchable)
Horizontal frequency	Autoscan 24 kHz to 81 kHz
Vertical frequency	Autoscan 50 Hz to 120 Hz
Resolution range	Autoscan 560 x 384 to 1280 x 1024
External sync (genlock).....	0.3V to 1.0V p-p

NOTE *The color subcarrier adjustment range is ± 180 degrees from 0 for a total adjustment range of 360 degrees.*

Video processing

Encoder	10 bit digital
Digital sampling	24 bit, 8 bits per color; 80 MHz
Colors	16.8 million
Horizontal filtering	4 levels
Vertical filtering	5 levels
Encoder filtering	3 levels

Video output

Number/signal type	1 RGBHV/RGBS/RGsB or component video, or 1 digital component video (CCIR 601/ITU-R BT.601) (VSC 200D only), or 1 S-video, or 1 NTSC/PAL composite video
Connectors	5 BNC female RGBHV/RGBS/RGsB or component video 1 BNC female digital component video — VSC 200D only 1 4-pin mini-DIN female S-video 1 BNC female composite video
Minimum/maximum levels	0.0V to 1.0V p-p
Impedance	75 ohms

Sync

Input type	Autodetect RGBHV, RGBS and RGsB
Output type	RGBHV, RGBS, RGsB (All RGB formats are switch-selectable.)
Genlock connectors	1 BNC female genlock input 1 BNC female genlock output (terminate w/75 ohms if unused)
Standards	NTSC 3.58 and PAL
Input level	1.5V to 5.0V p-p
Output level.....	5V p-p
Input impedance	75 ohms
Output impedance	75 ohms
Polarity	Negative

Control/remote — scan converter

Serial control port	RS-232, 9-pin female D connector
Baud rate and protocol	9600, 8-bit, 1 stop bit, no parity
Serial control pin configurations	2 = TX, 3 = RX, 5 = GND
Program control	Extron's Simple Instruction Set™ – SIS™ Extron's control program for Windows®

General

Power	100VAC to 240VAC, 50/60 Hz, 30 watts, internal, auto-switchable
Temperature/humidity	Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, non-condensing Operating +32° to +122°F (0° to +50°C) / 10% to 90%, non-condensing
Rack mount	Yes, with included kit
Enclosure type	Metal
Enclosure dimensions	1.75" H x 17.1" W x 9.5" D (1U high, full rack width) 4.4 cm H x 43.4 cm W x 24.1 cm D
Product weight	
VSC 200	5.6 lbs (2.5 kg)
VSC 200 D	5.7 lbs (2.6 kg)
Shipping weight	10 lbs (4.5 kg)
Vibration	ISTA/NSTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A
Warranty	3 years parts and labor

NOTE *Specifications are subject to change without notice.*

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