

Specifications — VSC 700, VSC 700D Scan Converters

Video input

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|----------------------------------|--|
| Number/signal type | 1 RGBHV, RGBS, RGsB with 1 buffered loop-through |
| Connectors | 2 x 5 female BNC (5 for input, 5 for loop-through) |
| Nominal level | 0.7 Vp-p for RGB |
| Minimum/maximum levels | 0 V to 2.0 Vp-p with no offset at unity gain |
| Impedance | 75 ohms |
| Horizontal frequency | Autoscan 24 kHz to 100 kHz |
| Vertical frequency | Autoscan 50 Hz to 120 Hz |
| Resolution range | Autoscan 560 x 384 to 1600 x 1200 |
| DC offset (max. allowable) | 2.0 V |
| External sync (genlock) | 0.3 V to 1.0 Vp-p |

Video processing

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|----------------------------|--------------------------|
| Encoder | 10 bit digital |
| Digital sampling | 24 bit, 8 bits per color |
| Colors | 16.8 million |
| Horizontal filtering | 4 levels |
| Flicker filtering | 5 levels |
| Encoder filtering | 4 levels |

Video output

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|------------------------------|---|
| Number/signal type | 1 RGBHV, RGBS, RGsB, or component video 1 SDI component video (VSC 700D only) 1 S-video 1 NTSC/PAL composite video |
| Connectors | 5 BNC female: RGBHV/RGBS/RGsB/component video 1 BNC female: SDI component video (VSC 700D only) (1) 4-pin mini-DIN female: S-video 1 BNC female: composite video |
| Nominal level | 0.7 Vp-p for RGB |
| Minimum/maximum levels | 0.0 V to 1.0 Vp-p |
| Impedance | 75 ohms |

Sync

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|--------------------------|---|
| Input type | Autodetect RGBHV, RGBS, RGsB |
| Output type | RGBHV, RGBS, RGsB |
| Genlock connectors | 1 BNC female: genlock input 1 BNC female: genlock output (terminate w/75 ohms if unused) |
| Standards | NTSC 3.58, PAL |
| Input level | 1.5 V to 5.0V p-p |
| Output level | TTL: 5.0V p-p, unterminated |
| Input impedance | 600 ohms |
| Output impedance | 75 ohms |
| Max input voltage | 5.0 Vp-p |
| Polarity | Negative |

Control/remote — scan converter

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|-----------------------------------|---|
| Serial control port | RS-232 or RS-422, 9-pin female D connector |
| Baud rate and protocol | 9600 baud, 8 data bits, 1 stop bit, no parity |
| Serial control pin configurations | 2 = TX, 3 = RX, 5 = GND, 9 = hard-wired IR |
| IR controller module | VSC Remote |
| Program control | Extron's control/configuration program for Windows® Extron's Simple Instruction Set (SIS™) |

General

| | |
|----------------------------|--|
| Power | 100 VAC to 240 VAC, 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 brackets |
| Enclosure type | Metal |
| Enclosure dimensions | |
| VSC 700 | 1.75" H x 8.75" W x 10.5" D (1U high, half rack wide) 4.4 cm H x 22.2 cm W x 26.7 cm D (Depth excludes knobs.) |
| VSC 700D | 1.75" H x 8.75" W x 10.75" D (1U high, half rack wide) 4.4 cm H x 22.2 cm W x 27.3 cm D (Depth excludes knobs.) |
| Product weight | |
| VSC 700 | 2.8 lbs (1.3 kg) |
| VSC 700D | 2.9 lbs (1.3 kg) |
| Shipping weight | 5 lbs (2.3 kg) |
| Vibration | ISTA 1A in carton (International Safe Transit Association) |
| Listings | UL, CUL |
| Compliances | CE, FCC Class A, VCCI, AS/NZS, ICES |
| MTBF | 30,000 hours |
| Warranty | 3 years parts and labor |

NOTE All nominal levels are at $\pm 10\%$.

NOTE Specifications are subject to change without notice.

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