

Specifications — System 5_{cr} Plus Switcher

Video

| | |
|--------------------------------|---------------------|
| Gain | Unity |
| Bandwidth | 250 MHz (-3dB) |
| Frequency response | < ± 0.1dB @ 30 MHz |
| Differential phase error | 0.01°, 0 to 10 MHz |
| Differential gain error | 0.01%%, 0 to 10 MHz |
| Crosstalk | -50dB @ 5 MHz |

Video input

| | |
|------------------------------|--|
| Number/signal type | 2 RGBHV/RGBS/RGsB computer video 1 RGBHV/RGBS/RGsB computer video or S-video or composite video 2 S-video or composite video |
| Connectors | 1 15-pin HD female (RGB computer video) 2 x 5 BNC female (RGB computer video; RGB/S-video/composite video) 2 x 2 BNC female (S-video or composite video) |
| Minimum/maximum levels | Analog 0.3V to 2V p-p with no offset |
| Impedance | 75 ohms |
| Horizontal frequency | 15 kHz to 150 kHz |
| Vertical frequency | 30 Hz to 150 Hz |
| Return loss | -45dB @ 5 MHz |
| Maximum DC offset | 1.5V |

Video output

| | |
|------------------------------|---|
| Number/signal type | 1 RGBHV/RGBS/RGsB, or 1 S-video, or 1 composite video |
| Connectors | 1 x 5 BNC female (RGB computer video) 1 x 2 BNC female (S-video) 1 x 1 BNC female (composite video) |
| Minimum/maximum levels | 0.3V to 2.0V p-p |
| Impedance | 75 ohms |
| Return loss | -38dB @ 5 MHz |
| DC offset | ±5mV maximum with input at 0 offset |
| Switching type | Triple-Action |

Sync

| | |
|------------------------------|---|
| Input type | RGBHV, RGBS, RGSB |
| Output type | RGBHV, RGBS, RGSB |
| Standards | TTL (RGB), NTSC and PAL (S-video and composite video) |
| Input level | 0.5V to 5V p-p |
| Output level | 0.5V to 5V p-p |
| Input impedance | 75 ohms |
| Output impedance | 75 ohms |
| Max input voltage | 5V p-p |
| Max. propagation delay | 20 nS |
| Polarity | Positive or negative (follows input) |

Audio

| | |
|---------------------------------|---|
| Gain | Unbalanced/balanced -78dB to +40dB |
| Frequency response | 20 Hz to 20 kHz, ±0.05dB |
| THD + Noise | <0.1% @ 1 kHz at rated maximum output drive |
| S/N | >95dB, at rated maximum output drive |
| Crosstalk | <-80dB @ 1 kHz, fully loaded |
| Stereo channel separation | >90dB @ 1 kHz |
| CMRR | >75dB @ 20 Hz to 20 kHz |

Audio input

| | |
|-----------------------------|---|
| Number/signal type | 5 stereo, balanced/unbalanced |
| Connectors | 1 3.5 mm mini stereo jack (PC 1) 4 3.5 mm captive screw connectors, 5 pole |
| Impedance | >50 kohms unbalanced, 25 kohms balanced |
| Maximum level | +20dBu, (balanced or unbalanced) at stated %THD+N |
| Input gain adjustment | -10dB to +6.5dB, adjustable per input |

Audio output — line out

| | |
|-------------------------------|--|
| Number/signal type | 1 stereo, balanced/unbalanced |
| Connectors | 1 3.5 mm captive screw connector, 5 pole |
| Impedance | 50 ohms unbalanced, 100 ohms balanced |
| Maximum level (Hi-Z) | >+21dBu, balanced or unbalanced at stated %THD+N |
| Maximum level (600 ohm) | >+15dBm, balanced or unbalanced at stated %THD+N |

Audio output — power amp

| | |
|-----------------------------------|---|
| Number/signal type | 1 stereo, unbalanced |
| Connectors | 2 spring-loaded captive terminals, L/R, +/- |
| Protection | Thermal, short circuit, open circuit, overload |
| Maximum level (full power out) .. | At less than 0.5% THD from 20-20kHz: 24 watts; 12 watts per channel @ 4 ohm load 12 watts; 6 watts per channel @ 8 ohm load |

NOTE 0dBu = 0.775 volts (RMS).

Control/remote — switcher

| | |
|-----------------------------------|---|
| 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 |
| Extron remote key pad control .. | 2 5 mm, 5-pole captive screw connectors (Aux ports) |
| IR controller module | 30 kHz to 60 kHz input frequency compatibility |
| Program control | Extron's control program for Windows Extron's Simple Instruction Set™ – SIS™ |

Control — room relay

| | |
|----------------------|--|
| Number/type | 1 momentary or latching |
| Connectors | 1 3.5 mm captive screw connector, 5 pole |
| Contact rating | 24V, 1 A |

Control — projector

| | |
|-----------------------------------|--|
| Projector control port (IR) | 1 3.5 mm captive screw connector, 5 pole |
|-----------------------------------|--|

General

| | |
|----------------------------|--|
| Power | 100VAC to 240VAC, 50/60 Hz, 70 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 brackets |
| Enclosure type | Metal |
| Enclosure dimensions | 1.75" H x 17.5" W x 9.4" D (1U high, full rack width) 4.4 cm H x 44.4 cm W x 23.9 cm D (Depth excludes connectors.) |
| Product weight | 6.1 lbs (2.7 kg) |
| Shipping weight | 11 lbs (5.0 kg) |

Specifications — System 5cr Plus (continued)

| | |
|----------------------|---|
| Vibration | ISTA/NSTA 1A in carton (International Safe Transit Association) |
| Listings | UL, CUL |
| Certifications | CE |
| MTBF | 30,000 hours |
| Warranty | 3 years parts and labor |

NOTE *Specifications are subject to change without notice.*

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