

Specifications — SCS 300 Sync Converter/Stabilizer

Video

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|----------------|-----------------|
| Gain..... | Unity |
| Bandwidth..... | 300 MHz (-3 dB) |

Video input

| | |
|---------------------------------|--|
| Number/signal type..... | 1 analog RGBHV, RGBS, RGsB, RsGsBs |
| Connectors | 5 female BNC |
| Nominal level | 0.7 Vp-p for RGB |
| Minimum/maximum levels..... | Analog: 0.3 V to 1.5 Vp-p with no offset |
| Impedance..... | 75 ohms |
| Horizontal frequency..... | 24 kHz to 130 kHz |
| Vertical frequency..... | 40 Hz to 120 Hz |
| Return loss..... | <-30 dB @ 5 MHz |
| DC offset (max. allowable)..... | 4.0 V |
| Input coupling..... | AC |

Video output

| | |
|-----------------------------|--|
| Number/signal type..... | 2 analog RGBHV, RGBS, RGsB, RsGsBs |
| Connectors | 5 BNC female, (1) 15-pin HD female |
| Nominal level | 0.7 Vp-p for RGB |
| Minimum/maximum levels..... | 0.3 V to 1.5 Vp-p with no offset (follows input) |
| Impedance..... | 75 ohms |
| Return loss..... | -30 dB @ 5 MHz |
| DC offset..... | ±30 mV with no input and at 0 offset |

Sync

| | |
|------------------------------|--|
| Input type..... | RGBHV, RGBS, RGsB, RsGsBs |
| Output type..... | RGBHV, RGBS, RGsB, RsGsBs (switch-selectable) |
| Input level | Sync on R/G/B (RGsB, RsGsBs): 0.15 to 0.6 Vp-p TTL: 1.5 V to 5.5 Vp-p with ±0.2 VDC max. offset |
| Output level..... | Sync on R/G/B (RGsB, RsGsBs): 0.3 Vp-p TTL: 5.0 Vp-p, unterminated |
| Input impedance | 510 ohms or 10k ohms, selectable |
| Output impedance..... | 75 ohms |
| Max. propagation delay | 48 ns |
| Max. rise/fall time | 3.5 ns |
| Polarity | |
| RGBHV | For RGBHV input, output is positive or negative (follows input) or is forced negative (switch-selectable). |
| RGBS, RGsB, RsGsBs | Negative |

General

| | |
|-------------------------------|--|
| External power supply | 100 VAC to 240 VAC, 50-60 Hz, external, to 12 VDC, 1 A, regulated |
| Power input requirements..... | 12 VDC, 0.4 A |
| 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 |
| Mounting | |
| Rack mount..... | Yes, with optional rack shelf kit |
| Furniture mount..... | Yes, with optional under-desk or through-desk mounting kit |
| Pole mount..... | Yes, with optional pole mounting kit |
| Enclosure type | Metal |

Header, cont'd

| | |
|---------------------------|---|
| Enclosure dimensions..... | 1.7" H x 4.3" W x 6.0" D (1U high, quarter rack wide) (4.3 cm H x 10.9 cm W x 15.2 cm D) (Depth excludes connectors.) |
| Product weight | 0.8 lbs (0.4 kg) |
| Shipping weight | 2 lbs (1 kg) |
| Vibration..... | ISTA 1A in carton (International Safe Transit Association) |
| Regulatory compliance | |
| Safety..... | CE, c-UL, UL |
| EMI/EMC | CE, C-tick, FCC Class A, ICES, VCCI |
| 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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