

Specifications — RGB 130_{xi}/134_{xi}/150_{xi} Interfaces

Video

| | |
|-----------------|-----------------------------------------------------------|
| Gain | Unity, (0.725V p-p) 50% peaking, (0.75V p-p) 100% peaking |
| Bandwidth | 300 MHz (-3dB) |

Video input

| | |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number/signal type | 1 analog RGBHV, RGBS, RGsB, RsGsBs |
| Connectors | RGB 130 _{xi} , RGB 134 _{xi} 1 9-pin D male RGB 150 _{xi} 1 15-pin HD male |
| Minimum/maximum levels | Analog 0.3V to 1.5V p-p with no offset at unity gain |
| Impedance | RGB 130 _{xi} , RGB 134 _{xi} 75 ohms or Hi Z, switchable (set to 75 ohms if no local monitor is connected) RGB 150 _{xi} 75 ohms |
| Horizontal frequency | Autoscan 15 kHz to 130 kHz |
| Vertical frequency | Autoscan 30 Hz to 120 Hz |
| Return loss | -30dB @ 5 MHz |
| Maximum DC offset | 4.0V |

Video output

| | |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number/signal type | RGB 130 _{xi} , RGB 150 _{xi} 1 analog RGBHV, RGBS, RGsB RGB 134 _{xi} 2 analog RGBHV, RGBS, RGsB |
| Connectors | RGB 130 _{xi} , RGB 150 _{xi} 6 BNC female RGB 134 _{xi} 2 x 6 BNC female RGB 150 _{xi} 1 15-pin HD female local monitor buffered output |
| Nominal level | Unity, (0.725V p-p) 50% peaking, (0.75V p-p) 100% peaking |
| Impedance | 75 ohms |
| Return loss | -30dB @ 5 MHz |

Sync

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|------------------------------|-------------------------------------------------------------------------------------------------------------|
| Input type | RGBHV TTL (\pm), RGBS TTL (\pm), RGsB 0.3V (-), RsGsBs 1.3V (-) |
| Output type | RGBHV (\pm), RGBS(\pm), RGsB (-) |
| Input level | 2V to 5.5V p-p with ± 0.2 VDC offset (max.) |
| Output level | 4V to 5V p-p |
| Input impedance | 10 kohms |
| Output impedance | 75 ohms |
| Max. propagation delay | 48 nS |
| Max. rise/fall time | 3.5 nS |
| Polarity | RGBHV when RGBHV is input, polarity follows input; otherwise negative RGBS, RGsB negative |

Audio

| | |
|---------------------------------|------------------------------------------------------------|
| Gain | Unbalanced 0dB, balanced +6dB |
| Frequency response | 20 Hz to 20 kHz, ± 0.05 dB |
| THD + Noise | 0.03% @ 1 kHz, 0.3% @ 20 kHz at rated maximum output drive |
| S/N | >90dB, at the rated maximum output (14dBu), balanced |
| Stereo channel separation | >95dB @ 1 kHz to 20 kHz |

Audio input

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|--------------------------|---------------------------------------------------------------------|
| Number/signal type | 1 PC level stereo, unbalanced |
| Connectors | 1 3.5 mm stereo jack, 2 channel; tip (L), ring (R), sleeve (ground) |
| Impedance | >10 kohms, DC coupled |
| Maximum level | +8.5dBu, (unbalanced) at stated %THD+N |

Audio output

| | |
|-------------------------------|----------------------------------------------------------------------------|
| Number/signal type | 1 stereo (2 channel), balanced/unbalanced |
| Connectors | 1 3.5 mm stereo captive screw connector, 5 pole, for left and right output |
| Impedance | 50 ohms unbalanced, 100 ohms balanced |
| Gain error | ±0.1dB channel to channel |
| Maximum level (600 ohm) | >+14dBu, balanced at stated %THD+N |

NOTE *0dBu = 0.775 volts (RMS).*

General

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Power | 100VAC to 240VAC, 50/60 Hz, 15 watts, internal, auto-switchable | |
| MBC power jack | 9.0VDC, 150 mA | |
| Temperature/humidity | Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, non-condensing Operating +32° to +104°F (0° to +40°C) / 10% to 90%, non-condensing | |
| Rack mount | No | |
| Furniture mount | Yes, with optional kits, #70-077-01 and #70-077-02 | |
| Enclosure type | Metal | |
| Enclosure dimensions | | |
| RGB 130xi, RGB 150xi | 1.75" H x 6.4" W x 6.0" D 4.5 cm H x 16.2 cm W x 15.2 cm D (Depth excludes connectors.) | |
| RGB 134xi | 1.75" H x 8.7" W x 6.0" D 4.5 cm H x 24.1 cm W x 15.2 cm D (Depth excludes connectors.) | |
| Shipping weight | RGB 130xi, RGB 150xi | 3 lbs (1.4 kg) |
| | RGB 134xi | 5 lbs (2.3 kg) |
| Vibration | ISTA/NSTA 1A in carton (International Safe Transit Association) | |
| Approvals | UL, CE, FCC Class A | |
| Warranty | 2 years parts and labor | |

NOTE *Specifications are subject to change without notice.*

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