

Specifications — RGB 130 χ i/134 χ i/160 χ i 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 χ i, RGB 134 χ i 1 9-pin D male RGB 160 χ i 1 15-pin HD female
Minimum/maximum levels	Analog 0.3V to 1.5V p-p with no offset at unity gain
Impedance	RGB 130 χ i, RGB 134 χ i 75 ohms or Hi Z, switchable (set to 75 ohms if no local monitor is connected) RGB 160 χ i 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 χ i, RGB 160 χ i 1 analog RGBHV, RGBS, RGsB RGB 134 χ i 2 analog RGBHV, RGBS, RGsB
Connectors	RGB 130 χ i, RGB 160 χ i 6 BNC female RGB 134 χ i 2 x 6 BNC female RGB 160 χ i 1 15-pin HD female local monitor buffered output
Minimum/maximum levels	Analog 0.7V to 0.75V p-p with 0.70V p-p input
Impedance	75 ohms
Return loss	-30dB @ 5 MHz

Sync

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 \pm 0.2VDC 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, \pm 0.05dB
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

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 captive screw connector, 5 pole
Impedance	50 ohms unbalanced, 100 ohms balanced
Gain error	±0.1dB channel to channel
Maximum level (600 ohm)	>+14dBm, balanced at stated %THD+N

General

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 160xi	1.75" H x 6.4" W x 6.0" D 4.4 cm H x 16.3 cm W x 15.2 cm D (Depth excludes connectors.)	
RGB 134xi	1.75" H x 8.75" W x 6.0" D 4.4 cm H x 22.2 cm W x 15.2 cm D (Depth excludes connectors.)	
Product weight	RGB 130xi	1.3 lbs (0.6 kg)
	RGB 134xi	1.7 lbs (0.8 kg)
	RGB 160xi	1.4 lbs (0.6 kg)
Shipping weight	RGB 130xi, RGB 160xi	3 lbs (1.4 kg)
	RGB 134xi	4 lbs (1.8 kg)
Vibration	ISTA/NSTA 1A in carton (International Safe Transit Association)	
Listings	UL	
Compliances	CE, FCC Class A	
Warranty	3 years parts and labor	

NOTE Specifications are subject to change without notice.

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