

# Specifications — RGB 118, RGB 118 PLUS Interfaces

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## Video input

Number/type .....	1 analog/TTL/ECL RGBHV, RGBS, RGSB, RsGsBs
Connectors .....	1 9-pin D male for MBC/LBC cable or buffer
Nominal level(s) .....	Analog — 0.5V to 1.20V p-p TTL — 0.3V to 5V p-p
Impedance .....	10 kohms
Horizontal frequency .....	15 kHz to 100 kHz (15 kHz to 60 kHz optimum)
Vertical frequency .....	30 Hz to 150 Hz
LCD horizontal frequency .....	15 kHz to 125 kHz (RGB 118 PLUS only)
LCD vertical frequency .....	13 Hz to 150 Hz (RGB 118 PLUS only)
Return loss .....	-30dB @ 5 MHz

## Video throughput

Gain .....	Unity to 1.0V p-p with peaking
Bandwidth .....	120 MHz (-3dB)

## Video output

Number/type/format .....	1 RGBS, RGSB or monochrome composite analog
Connectors .....	4 BNC female
Nominal level .....	Analog — 0.3V to 1.0V p-p
Impedance .....	75 ohms
Return loss .....	-10.5dB @ 5 MHz

## Sync

Input type .....	Autodetect RGBHV, RGBS, RGSB, RsGsBs; ECL, TTL
Output type .....	RGBS, RGSB, monochrome composite video
Input level .....	2.0V to 5.5V p-p with $\pm 0.2$ VDC offset max.
Output level .....	4.0V to 5.0V p-p
Input impedance .....	10 kohms
Output impedance .....	75 ohms
Max. propagation delay .....	130 nS
Max. rise/fall time .....	3 nS
Polarity .....	Negative

## General

Power .....	100VAC to 240VAC, 50/60 Hz, 10 Watts, external, 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 .....	No
Enclosure type .....	Metal
Enclosure dimensions .....	1.75" H x 4.63" W x 4.75" D 4.45 cm H x 11.76 cm W x 12.07 cm D
Shipping weight .....	3 lbs (1.4 kg)
Vibration .....	NSTA 1A in carton (National Safe Transit Association)
Approvals .....	UL, CUL, CE
Warranty .....	2 years parts and labor

**NOTE** Specifications are subject to change without notice.

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