

CIA111

Architectural Interface with MAAP Opening for Two-Gang Wall Box



Shown with Optional MAAPs

FEATURES

- Input: RGB video on female 15-pin HD connector; audio on 3.5 mm stereo jack
- Output: RGB video on female 5-BNC pigtail; audio on captive screw connector
- Compatible with VGA-UXGA, Mac, Sun®, and SGI® signals
- 250 MHz (-3 dB) RGB video bandwidth
- Active PC audio to balanced audio interfacing
- Variable peaking
- Available in black or white
- Horizontal shift control
- Video hum suppression, differential input
- One-button monitor emulation
- Auto power on/off
- Buffered female 15-pin HD local monitor output
- Opening for four MAAP - Mini Architectural Adapter Plates
- Installs in two-gang wall box
- Optional cable guard handles protect input connectors and attached cables from shearing or damage
- External universal power supply included

DESCRIPTION

The Extron **CIA111** is an analog computer-video interface that features a female 15-pin input with audio and a buffered local monitor output. It is compatible with a wide variety of analog video signals, including VGA-UXGA, Mac, Sun®, SGI®, and other computer-video signals. The CIA111 mounts in a standard two-gang outlet box, and is available in black or white. It also features a beveled faceplate with low-profile connectors and controls.

In addition to its interface capability, the CIA111 also includes an opening to accommodate up to four MAAP - Mini Architectural Adapter Plates. There are over 100 MAAP models available to meet virtually any signal connection requirement. Custom engraving services are available to label each connector as required.

The CIA111 also features cable guard handles that extend from the faceplate to protect the input connectors and attached cables from shearing or damage. For installations requiring an extremely low profile unit, the CIA111 can be ordered in the low profile version without cable guard handles.

MODEL	VERSION DESCRIPTION	PART #	
CIA111	Black - With Cable Guards	60-596-12	
CIA111	White - With Cable Guards	60-596-13	
CIA111	Black - No Cable Guard	60-596-22	
CIA111	White - No Cable Guard	60-596-23	
REQUIRED ACCESSORY	MODEL DESCRIPTION	PAGE	PART #
VGA-A M-M MD/6	15-pin HD Male to Male - 6' (1.8 m)	page 60	26-490-02
Mac 15-HD	Mac Adapter Kit with Audio	page 60	70-156-01
13W3 - 15HD	13W3 Adapter Kit with Audio	page 60	70-157-03
OPTIONAL ACCESSORIES	MODEL DESCRIPTION	PAGE	PART #
MAAPs	Mini Architectural Adapter Plates	page 194	assorted

Continued →

CIA111

SPECIFICATIONS

VIDEO

Gain Unity
 Bandwidth 250 MHz (-3 dB)

VIDEO INPUT AND LOOP-THROUGH

Number / Signal type 1 VGA-UXGA, Mac, Sun RGBHV, RGsB, RGsB
 1 buffered local monitor loop-through identical to the input

NOTE: Sync is not stripped from green. RGsB input signals are output as RGsB.

Connectors 2 female 15-pin HD
 Nominal level 0.7 Vp-p for RGB
 Minimum / Maximum levels Analog: 0.3 V to 1.5 Vp-p with no offset at unity gain
 Impedance 75 ohms
 Horizontal frequency 30 kHz to 130 kHz
 Vertical frequency 30 Hz to 120 Hz
 Return loss <-50 dB @ 5 MHz

VIDEO OUTPUT

Number / Signal type 1 RGBHV, RGsB, RGsB
 Connectors 5 BNC female on 4" (10.2 cm) pigtails
 Nominal level 0.7 Vp-p for RGB
 Minimum / Maximum levels Analog: 0.3 V to 1.5 Vp-p
 Impedance 75 ohms
 Return loss <-50 dB @ 5 MHz

SYNC

Input type RGBHV, RGsB, RGsB
 Output type RGBHV, RGsB, RGsB
 Input level 2.0 V to 5.0 Vp-p
 Output level TTL: 5.0 Vp-p, unterminated
 Input impedance 510 ohms
 Output impedance 75 ohms
 Max. propagation delay 1.2 µs
 Polarity Positive or negative (follows input)

AUDIO

Gain Unbalanced output: 0 dB; balanced output: +6 dB
 Frequency response 20 Hz to 20 kHz, ±0.4 dB
 THD + Noise 0.03% @ 1 kHz at nominal level, 0.1% @ 20 kHz at maximum output
 S/N >75 dB at maximum output
 Stereo channel separation >-113 dB @ 1 kHz to 20 kHz

AUDIO INPUT

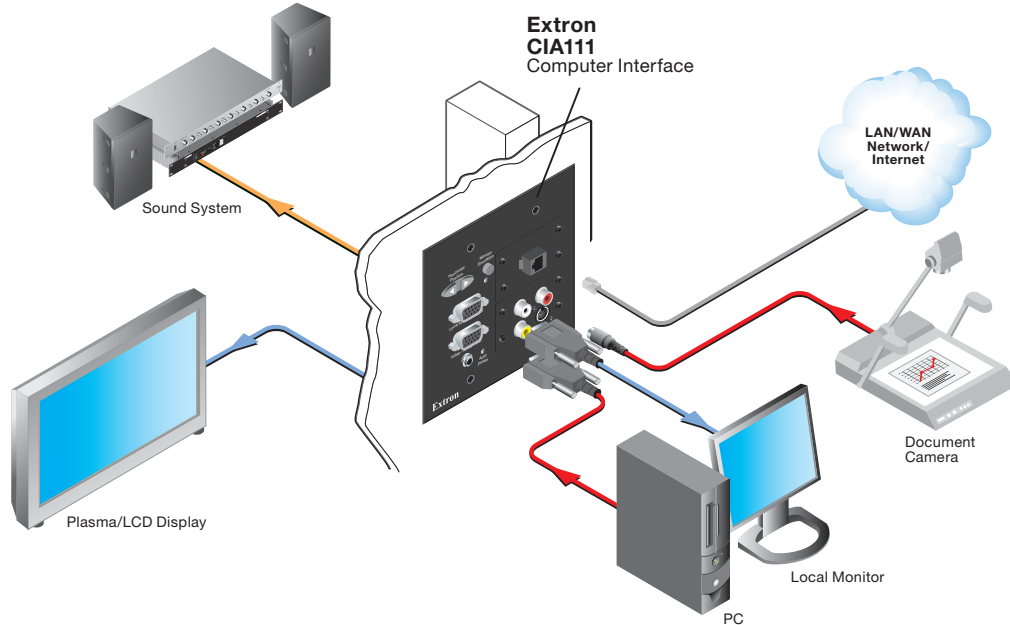
Number / Signal type 1 stereo, unbalanced
 Connectors (1) 3.5 mm mini stereo jack
 Impedance >10k ohms unbalanced
 Nominal level -10 dBV (316 mV)
 Maximum level +8.1 dBu, (balanced or unbalanced) at 1%THD+N
 NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV = 2 dBu

AUDIO OUTPUT

Number / Signal type 1 stereo, balanced/unbalanced
 Connectors 1 direct insertion captive screw connector, 5 pole
 Impedance 50 ohms unbalanced, 100 ohms balanced
 Gain error ±0.09 dB channel to channel
 Maximum level (Hi-Z) >+15 dBu, balanced or unbalanced at 1%THD+N
 Maximum level (600 ohm) >+13 dBm, balanced or unbalanced at 1%THD+N

GENERAL

External power supply 100 VAC to 240 VAC, 50/60 Hz, external, universal; to 9 VDC, 0.6 A, regulated
 Power input requirements 9 VDC, 0.5 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
 Rack mount No, but wall or furniture mountable
 Enclosure type Metal
 Enclosure dimensions
 Faceplate 4.5" H x 5.0" W x 0.1" D (11.4 cm H x 12.7 cm W x 0.2 cm D) (2 gang)
 Device 2.8" H x 1.9" W x 1.5" D (7.1 cm H x 4.8 cm W x 3.8 cm D)
 (Depth excludes connectors.)
 Product weight 0.7 lbs (0.3 kg)
 Shipping weight 3 lbs (2 kg)
 Vibration ISTA 1A in carton (International Safe Transit Association)
 Listings ETL (UL1950)
 Compliances CE
 MTBF 30,000 hours
 Warranty 3 years parts and labor
 NOTE: All nominal levels are at ±10%. Specifications are subject to change without notice.



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