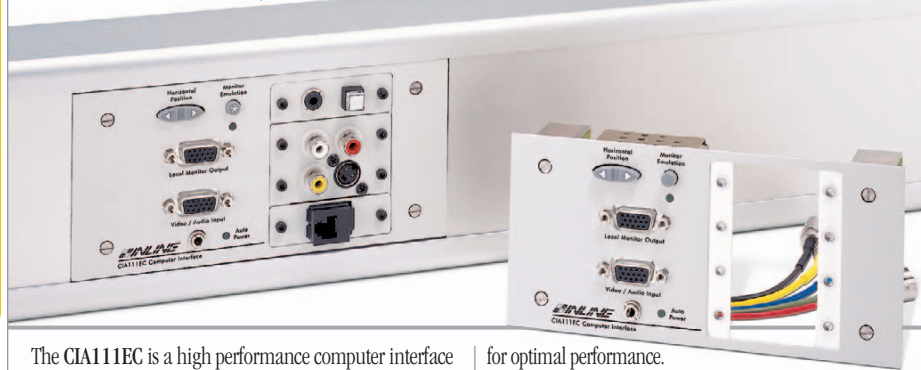


# CIA111EC

INSTALLATION COMPUTER INTERFACE WITH  
MODULAR A/V FACEPLATE FOR EURO CHANNEL



The CIA111EC is a high performance computer interface for video and stereo audio signals. The unit is compatible with a wide variety of analog video signals including VGA, SVGA, XGA, SXGA, UXGA, MAC, SUN and other high resolution workstations. The CIA111EC is specially designed to wall mount in Euro Channel system hardware.

## Elegant Design Features

The CIA111EC is a compact unit featuring low profile connectors and controls. The unit is available in white finish to complement the decor of various high-tech installation environments. The CIA111EC circuit boards are fully enclosed to protect the interface during installation and operation. The main video output is five BNC female connectors on 4" pigtails, offering easy connection to the output cable regardless of the entry point of the output cables into the Euro Channel.

## Modular A/V Connector Plate

In addition to its interface capability, the CIA111EC also acts as a modular A/V connector plate. The CIA111EC modular faceplate accepts up to four A/V connector modules to create a custom A/V connector plate optimized each installation. Over 75 different audio, video, phone, data, and control modules are available to meet virtually any signal connection requirement. The CIA111EC simplifies the design and installation process since a single unit fills the function of both video / audio interface and A/V connector plate.

## Standard VGA Connectors

Featuring 15-Pin HD female connectors for input and local monitor output, the CIA111EC connects directly to PC, MAC and SGI graphics ports and local monitors that have 15-Pin HD connectors using standard VGA cables (no proprietary input cables required). High resolution coaxial cables such as the INLINE IN8000 Series Flexible VGA cables and IN8200 Series Flexible VGA & Stereo Audio cables are recommended

for optimal performance.

Input / output adapter cables are also available in a variety of lengths for older Macintosh computers (15-Pin D), SUN (13W3) and workstations (4 or 5 BNC).

## Ultra High Resolution Amplification

The CIA111EC offers 400 MHz video bandwidth to ensure superb performance and maximum image clarity at virtually any resolution and refresh rate.

## Stereo Audio Signal Balancing

The CIA111EC includes audio buffering circuitry that accepts unbalanced stereo audio signals applied to the 3.5mm audio input connector and converts them to balanced audio. The balanced audio output signal provides optimal performance for long audio cable runs and helps reject hum, noise and other audio signal interference. The audio output may also be wired for unbalanced operation if desired.

## Video Hum Suppression

The CIA111EC includes video hum suppression circuitry specifically designed to reduce or eliminate the visible effects of ground loops that are caused when two devices in the display system are connected to power sources with different grounding potentials.

## Sharpness Control

The sharpness / peaking control (located on the back side of the interface) optimizes image quality, detail and sharpness by providing a variable high frequency boost that compensates for the high frequency losses that normally occur in lengthy cable runs. A/V installers can fine-tune the peaking control to select the exact amount of peaking required to compensate for different cable grades and cable lengths.

## Advanced Sync Processing

All CIA100 Series interfaces feature advanced sync

## FEATURES

- 400 MHz Video Bandwidth
- Specially Designed to Mount in Euro Channel
- Built-In Video Hum Suppression
- Adjustable Peaking Control
- Audio Buffering —  
Converts Unbalanced Audio Signals to Balanced Audio
- Flexible Output Sync Format:  
RGBHV, RGBS or RGBB
- Soft-Touch Rocker Button for  
Horizontal Position Control
- Easy One-Button Monitor Emulation
- Auto Power On / Off
- Modular Faceplate Accepts up to  
Four Audio / Video Connector Modules
- Fully Enclosed Circuit Boards  
for Enhanced Reliability
- Output BNC Connectors are Connected to  
4" Pigtails to Enhance Installation Flexibility

processing circuitry for enhanced compatibility with a variety of computers, laptops and data display devices.

## Selectable Output Sync Format

The unit can be set for RGBHV, RGBS or RGBB output sync as required by the data display device and signal distribution system. The CIA111EC does not strip sync off of the Green signal (i.e. RGB input signals appear at the output as RGBB).

## User Controls

The CIA111EC provides enhanced ease-of-use for the end user by placing only the basic controls on the faceplate while hiding more advanced controls on the back of the interface. CIA100 Series interfaces feature an intuitive, soft-touch rocker switch for horizontal position control. Simply touch the button on the left or right side in order to move the image in the desired direction. In some cases a desktop or laptop computer needs to sense that a monitor is attached in order to make the video port active. The monitor emulation button simulates the connection of a local monitor so that the video port is configured properly in those applications where no local monitor is used. The Auto Power feature automatically powers up the interface when an input cable is connected to the 15-Pin HD input and powers down the interface when the input cable is removed.

## Advanced Controls

Located on the back of the interface, the advanced controls are generally set once at the time of installation by the installation technician. These controls are the Sharpness / Peaking control and the dip switches. Dip switches are available for setting the output sync format, horizontal control enable / disable, default monitor emulation state at power on, and auto power enable / disable.

## SPECIFICATIONS

### INPUT

**Connector:** 15-pin HD female — standard VGA pin-outs  
**RGB Signals:** Analog video, 1.5 Vp-p max.  
**Sync Signals:** TTL  
**Horizontal Sync Range:** 30 to 130 KHz  
**Vertical Sync Range:** 30 to 120 Hz  
**Audio Connector:** 3.5mm Mini Stereo Female  
**Audio Signal Compatibility:** Unbalanced Stereo Audio; Impedance: 10 K $\Omega$

### OUTPUTS

**Buffered Local Monitor:** 15-pin HD female  
**Main Output:** 5 female BNC on 4" Pigtails  
**Output Format:** RGBHV, RGBS, or RGBB  
**Bandwidth:** 400 MHz @ -3 dB with .7 volt input signal  
**Audio Output Connector:** 5-Pin Captive Screw Terminal  
**Audio Output Signal:** Balanced or Unbalanced Stereo Audio; Impedance: 50  $\Omega$

### A/V CONNECTOR MODULES

Faceplate accepts up to (4) A/V Connector Modules.

### ACCESSORIES INCLUDED

IN9205 9VDC, 1A Power Supply  
 IN9334 3/32" Allen Wrench for CIA111EC Connector Module Set Screws  
 IN9339 Adjustment Tool w/Technician's Blade  
 IN9369QW Quad Size Blank Plate

### GENERAL

**Power Supply:** IN9205 — 9VDC; 1A Power Supply (included)  
**Power Connector:** 2-Pin Captive Screw Terminal  
**Shipping Weight:** 2.4 lbs. / 1.1 Kg  
**Product Weight:** 0.7 lbs. / 0.32 Kg  
**Dimensions — Faceplate:** 3.15" x 6.25" x 0.51" / 8.0 x 15.9 x 1.3 cm  
**Dimensions — Back Enclosure:** 2.81" x 1.90" x 1.53" / 7.1 x 4.8 x 3.9 cm  
**Regulatory Approvals:** UL1950, CAN/CSA-22.2 No.950, Third Edition CE: EN55022 (1987), EN50081-1 (1991), EN55082-1 (1992 and 1994), EN60950-92

## ORDER INFORMATION

**CIA111EC-2** Installation Computer Interface with Modular A/V Faceplate for Euro Channel — 400MHz, White Finish

**Input / Output Cables and A/V Connector Modules are Not Included and Must be Ordered Separately** — See Pages 28 – 35  
**Installation Interface Accessories** — See Pages 42 & 43

