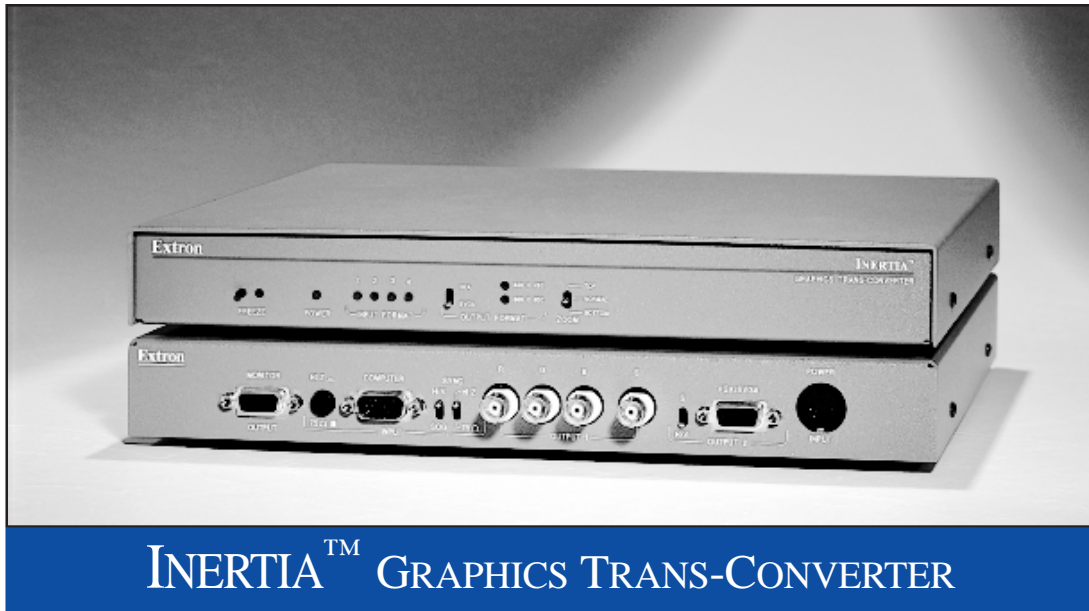


Extron Electronics

INTERFACING, SWITCHING AND DISTRIBUTION



CAD to VGA Converter

SGI to VGA Converter

SUN to VGA Converter

Freeze Frame Switch

Zoom Switch

H & V Centering

Outputs VGA & RGBS

Local Monitor Loop

Compatible with:
Sun
SGI
PowerPC/PowerMac
Quadra
MAC
Super VGA

Outputs Either 640 x 480
or 800 x 600

Multi-Scanning

Input Format LEDs

Metal Enclosure

*Now
Multi-Scanning!*



APPLICATIONS

The **INERTIA™** Graphics Trans-Converter allows high resolution video signals to be displayed on affordable display devices. Since over 90% of the light valve projectors, LCD panels and data projectors already sold are limited to VGA and Super VGA resolutions, INERTIA was designed to allow users to extend the life of many projection products they already own. INERTIA allows connection of a high resolution CAD/CAM workstation or high-resolution PC to a VGA or Super VGA display device by converting the output to either 31.5 kHz VGA or 35 kHz Super VGA video. Because INERTIA has two buffered outputs, it drives not only LCD products, but also any VGA compatible video display such as a light-valve projector, VGA computer monitor, VGA/MAC-only large screen data projector and even a VGA/MAC color printer.

COMPATIBILITY

INERTIA is designed to address the need for displaying high resolution PC and CAD workstation graphics of data level and VGA-only large screen projectors, monitors and LCD panels. The INERTIA Graphics Trans-Converter uses digital, real-time scan conversion technology to change high resolution video graphics to that of a standard VGA or VESA output. Because INERTIA has two output signal types, a front panel switch is provided to allow the INERTIA's output to be either 31.5 kHz 640 x 480 or 35 kHz 800 x 600. When this switch is selected, both of the INERTIA's outputs (RGBS on BNCs and VGA on 15 pin HD) are active, so two simultaneous displays may be connected. A third output (labeled *Monitor Output*) is provided so that the computer's own display will still display the original computer video signal and resolution.

Although the INERTIA is multi-scanning, the following is a list of the most popular computers with all the various resolutions and frequencies:

COMPUTER	RESOLUTION	HORIZ.	VERT.
VGA 2	640 x 400	31.5 kHz	70 Hz
VGA 3 (pass thru)	640 x 480	31.5	60
VESA 1	800 x 600	35.2	56
VESA 2	640 x 480	37.9	72
VESA 3	1024 x 768	48.4	60
VESA 5	800 x 600	37.9	60
VESA 6	800 x 600	48.1	72
MAC 13"-14" display	640 x 480	35.0	67
MAC 16" display	832 x 624	49.7	75
MAC 19" display	1024 x 768	60.2	75
MAC 21" display	1152 x 870	68.7	75
IBM 8514/XGA	1024 x 768	35.5	87
SUN	1152 x 900	61.8	66
SGI	1024 x 768	48.0	60
SGI	1280 x 1024	63.9	60

FEATURES

- **Compatibility with Sun, SGI, PowerPC, Super VGA, Radius, Quadra, MAC Series, SuperMAC and E-Machine graphics from 32 to 64 kHz (multi-scanning)**
- **One BNC and one 15 pin HD trans-converted output capable of outputting either a VGA or Super VGA standard 640 x 480 or 800 x 600 resolution**
- **Workstation monitor loop-through output with a 75 ohm termination switch**
- **Four frequency indication LEDs help the user determine frequency/resolution being converted to VGA or Super VGA**
- **Freeze frame switch with LED indication**
- **Horizontal and Vertical Centering Controls**
- **Two position image zoom (top & bottom screen) switch**
- **Includes cable adapters for Sun, SGI, S-VGA and Mac/Quadra**

SPECIFICATIONS

Input Signals:

Video: 7 volt - 1 volt P-P

Sync: Composite Sync (±)

Sync on Green (±)

Input Frequency Compatibility: 32-64 kHz (multi-scanning)

Output Signals:

Video: BNC = RGBS 15 pin HD = VGA or MAC

Sync: BNC = Composite Sync 15 pin HD = Composite Sync or

Separate HV

Output Frequency: 31.5 kHz VGA or 35 kHz Super VGA (switch selectable)

Output Resolution: 640 x 480 VGA or 800 x 600 Super VGA

RGB Video Bandwidth: 120 MHz (-3db)

Power Supply: 115 Volt 60 Hz/230 Volt 50 Hz (auto-switchable)

Dimensions: 10-7/8" D x 11-5/8" W x 1-7/16" H


Enclosure: Metal

Warranty: 2 Years parts/labor


Part #: 60-161-01

Electronic Information

Extron offers 24-hour worldwide access to all our
technical literature, brochures and newsletters



EXTRONWEB™
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