

# C2-2450A

## Edge Blender

### C2-2450A Edge Blender

based on TV One's exclusive CORIO®2 Technology has been developed to facilitate easy edge-blending using two or more units. A single DVI or RGB source at virtually any resolution and refresh rate is simultaneously fed into two or



more separate C2-2450A units and using their integral processing engines, the video is prepared and output to multiple projectors and blended seamlessly together to create larger, brighter displays. Set up is made simpler with dedicated front panel push buttons for turning the edge-blend guidelines on and off and also for switching to a full black or white output to aid in gamma correction and black level adjustment. All functions can be controlled via the front panel, infrared, RS-232 or IP. An easy-to-use edge-blending software tool is also freely available allowing for even simpler operation of the C2-2450A. Ten user defined presets are available to customise settings for various applications and due to the unit's non-volatile memory these settings are retained even when power is switched off. Pixel accurate scaling is available to support any edge-blend application with images from multiple units aligned vertically, horizontally or both to create unusual displays. The unit is housed in a desktop case and an optional rackmount kit holds one or two units.

### Key Features C2-2450A

- Inputs: DVI-D and Analog RGB/YPbPr
- Outputs: DVI-I and Analog RGB/YPbPr
- Analog: PC to 2048x2048, HDTV to 1080p/60
- DVI: PC to 1920x1200, HDTV to 1080p/60
- Temporal Interpolation & Diagonal Interpolation
- Automatic Incoming Resolution Detection
- Black and White test outputs.
- 4:4:4 Full bandwidth Sampling
- Video signal parameter adjustments
- RS-232 and IP Interface & Windows Control Panel
- Variable Image Zoom to 10X and Shrink to 10%
- Locking DC Power adaptor
- Optional IR Remote Control Unit
- Optional Single/Dual Rackmount Kit

### C2-2450A Specifications

#### Computer Inputs

Signal Type 1x DVI-D via DVI-I Connector  
1x Analog via HD-15 Female  
Format RGBHV, RGBS, RGsB, YPbPr  
Sync TTL Level, 10KΩ, Pos or Neg  
Termination 75Ω  
R-G-B Level Range 0.5-2.0 Vp-p  
Scan Rate Detection Automatic  
PC Resolutions DVI up to 1920x1200 60Hz  
Analog up to 2048x2048

HDTV Resolutions Any up to 1080p/60  
Max Horiz Scan Rate 150KHz  
Computer Compatibility PC, Macintosh, Workstations

#### Computer Outputs

Signal Type 1x DVI-I via DVI-I Connector  
1x Analog via HD-15 Connector  
Format RGBHV, RGBS, RGsB, YPbPr  
R-G-B Level 0.7 Vp-p  
Analog Signals PC to 2048x2048, HD to 1080p/60  
DVI Signals PC to 1920x1200, HD to 1080p/60  
Vertical Refresh Rate Any to 250Hz

#### General

Size and Position Automatic via AutoSet or Manual  
Image Size User-Definable Presets  
Image Freeze One Video Frame  
Settings Memory Non-Volatile  
Zoom Range Variable to 10X Zoom  
Shrink Range Variable to 10%  
Image Mirroring Horizontal and/or Vertical  
Horizontal Filtering Full Digital  
Conversion Technology Proprietary – CORIO®2  
Frame Rate Conversion Temporal  
Color Resolution 24-bit (16.8 Million Colors)

Sampling Rate 162MHz  
Digital Sampling 24-bit, 4:4:4 format  
Firmware Memory Flash, Upgradeable via RS-232

#### Control Methods

Local via Front Panel Buttons & OSD  
RS-232 Interface via D9 Female Connector  
IP Interface via RJ45 Connector  
Infrared Remote via optional IRC-5 Remote Unit  
Input Expansion Control via D-15 Options Connector

#### Warranty

Limited Warranty 2 Years Parts and Labor

#### Regulatory Compliance

Main Units FCC, CE, RoHS  
Power Supplies UL, CUL, CE, PSE, GS, RoHS

#### Mechanical

Size (H-W-D) 41.5x218x150mm  
(1.63"x8.6"x5.9")  
Weight (Net) 1.32kg (2.90 lbs)

#### Environmental

Operating Temperature 0° to +50° C (+32° to +122° F)  
Operating Humidity 10% to 85%, Non-condensing  
Storage Temperature -10° to +70° C (+14° to +158° F)  
Storage Humidity 10% to 85%, Non-condensing

#### Power Requirement

External Power Supply 12VDC@1.0A

#### Accessories Included

1x Operations Manual  
1x Power Adapter US, UK or Euro

#### Product Item Numbers

C2-2450A Edge Blender

#### Optional Accessories

RM-220 Single/Dual Rackmount Kit  
IRC-5 Infrared Remote Control Unit  
Control Software Downloadable form Website

#### Notes

(1) Balanced Audio (6-inputs) and Audio Delay is available via the S2-106AD accessory.

