

C2-4100 Specifications

3 Video Inputs

RGBHV, YPbPr, YUV 3x (1x via 5-BNC, 2x via HD-15F)

Genlock Input

Reference Signal Any of the Video Inputs

2 Video Outputs

RGBHV, YPbPr, YUV 2x (1x via 5-BNC, 2x via HD-15F)

Preview Output

RGBHV, YPbPr, YUV 1x via HD-15 Female Connector

Input/Output Range

Computer Resolutions Up to 2048x2048
 Max Vert Refresh Rate 250Hz
 Max Horiz Frequency 150KHz
 HDTV Resolutions All Known Resolutions & Formats
 Interface Support Progressive and Interlaced

Input RGB Sync

Type RGBHV, RGBS, RGsB, YPbPr, YUV
 Level / Impedance TTL, 10KΩ
 Polarity Positive or Negative
 Maximum Level 5Vp-p

Output RGB Sync

Type RGBHV, RGBS, RGsB, YPbPr
 Level / Impedance 5Vp-p, 220Ω
 Polarity Positive or Negative

Output YPbPr Sync

Type Bi-level

Control Methods

Local Front Panel Up to 5x User-definable Preset Buttons +LED, Rotary Selector, LCD Readout

RS-232 Interface DB-9 Male Connector

IP Interface Optional via RJ45 Connector

Infrared Control Option IRC-5 Remote Control Unit

Audio Switcher Control Via D-15 Options Connector from the Main Unit

General

Image Size & Position AutoSet or Manual
 Image Zoom Range Continuous to 10x
 Image Shrink Range Continuous to 10%
 Image Mirroring Horizontal and/or Vertical
 Image Freeze Full Frame
 Video Memory 4x4MBytes Picture Memory Buffers (16MBytes total)
 Resolution Memory Approximately 1,000 Definable
 Firmware Memory Flash, Upgradeable via RS-232
 PIP Any 2 Video Inputs
 Number PIP Windows Multiple Units may be Cascaded
 Video I/O Impedance 75Ω - R, G & B
 De-Interlacing Pixel-level Motion Adaptive at 15KHz Input (YUV)

Digital Sampling 24-bit, 8-bits per R, G and B
 Colors 16.7 Million
 Video Scaling Engine Proprietary CORIO®2
 Internal Format 4:2:2 YUV
 Test Cards/Logos User Defined
 LCD Panel 24x2 Character
 Proc Amp Adjustments Video Level for RGB Inputs
 Proc Amp Memory Settings for each Video Input

Mechanical

Desktop Case (HWD) 44x432x201mm (1.75"x17"x7.9")
 With Rack Ears (HWD) 44x483x201mm (1.75"x19"x7.9")
 Weight (Net) 3.3 kg (7.26 lbs)

Warranty

Limited Warranty 2 Years Parts and Labor

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

Regulatory Approvals

Video Scaler Unit FCC, CE, RoHS
 Power Supplies UL, CUL, CE, PSE, GS, RoHS

Power Requirement

Internal Power Supply 100-240VAC, 47-63Hz, 50W

Accessories Included

1x AC Power Cord US, UK or Euro
 1x Operations Manual
 1x Rackmount Kit 2 Ears and 4 Screws

Optional Accessories

A2-2000 Audio Switcher (Note 1)
 IRC-5 IR Remote Control Unit
 IP Interface Factory Installed Option
 RM110 Long arm rack ears for 24" to 32" deep racks
 CC-300 Hardware Control Panel
 1x Control Software Downloadable from website

Product Item Number

C2-4100 RGB Video Scaler
 C2-4110 RGB Scaler with IP Interface

Audio Switching (Optional A2-2000 - Note 1)

Stereo Inputs 10x Balanced and Unbalanced
 Program Output 1x Balanced and Unbalanced
 Preview Output 1x Balanced and Unbalanced
 Connectors per I/O 2x RCA for Unbalanced

Note

(1) A2-2000 is controlled from the C2-4100 and provides Audio Follow Video or Audio Breakaway.



C2-4100

