

C2-5100 Universal Video Scaler is a multi-function image conversion and scaling product coming very near the ideal of "Anything In - Anything Out". Not only is it a high performance Video Scaler, Up-Converter, Down-Converter and Multi-Format Seamless Switcher, but it goes far beyond that. It's also a Worldwide Standards Converter, Chromakeyer, Lumakeyer, Picture-in-Picture Device, HDTV Converter, Frame Synchronizer, Time Base Corrector, Aspect Ratio Converter and a Universal Image Genlock, just to name a few. The 9-Inputs and 4-Outputs will accommodate Composite Video, S-Video, YCbCr, YPbPr, all HDTV formats and any RGBHV resolution up to 2048x2048 - not just some predefined ones, but ANY resolution, even custom ones. Plus, the C2-5100 also has 2-Outputs for Preview (RGBHV and Composite Video) to facilitate live event switching.

As a Picture-in-Picture Device, the C2-5100 Universal Video Scaler is unparalleled in its price range. Any video input can be squeezed and placed into a window of any size and positioned anywhere on the screen. The window can be placed over any other video input as the background. The image in the window can then be seamlessly switched to another video input. The image can also be zoomed while it is in the window.

C2-5100's output signal format flexibility assures that the Native Resolution of virtually any Digital Display can be matched. Because of the integral resolution calculator, even new resolutions can be instantly added to the menu. Adjustments are provided for Brightness, Contrast Color Saturation and Hue (where applicable) and each video input has its own non-volatile memory to retain these settings, even when the power to the unit has been turned off. Integral Test Signals are user defined. A Logo memory is provided, so the unit can easily be used as a Logo Inserter. The C2-5100 employs advanced motion compensation to smooth out fast moving images and its automatic 3:2 Pull-down detection efficiently deinterlaces video from 24 fps film. The unit can be controlled from the front panel, via RS-232, IR or by the optional IP interface. The Windows Control Panel provides complete control of the unit and adds Macros to facilitate long, complex sequence of commands. Multiple units may be controlled from one Control Panel.

C2-5200 Universal Video Scaler provides all the features and functions of the C2-5100 and adds an SDI input and output. This brings the unit's I/O total to 10 Inputs and 5 Outputs. Additionally, a second SDI input is provided exclusively as a genlock source. The SDI I/O is fully integrated into the architecture of the unit, so that any of the other signal formats may be converted to and from SDI and the SDI signal can be used as either the background or insert in the Picture-in-Picture windowing mode. Of course, it is also possible to seamlessly switch between any of the analog inputs and the SDI input.





C2-5000 Series Front





C2-5200 Rear

Save Load 企 56367 805

Windows Control Panel



CC-300 CORIOconsole

Multiple Products in One

- Seamless Switcher
- Video Scaler
- Aspect Ratio Converter
 Standards Converter
- PC◀-●HDTV
- PC◀-▶PC
- SDTV ◀-► HDTV
- HDTV ◀-► HDTV
- Analog ◀-►SDI
- Frame Svnc / TBC

- Picture-in Picture
- Down Converter
- Multi-Format Genlock
- Logo Inserter
- Video Transcoder
- Chromakeyer
- Lumakeyer
- And more...





External Control

The C2-5100 and C2-5200 can be controlled from the front panel buttons and integrated LCD or remotely by RS-232 or by IP (C2-5110 and C2-5210).

The Windows Control Panel affords complete control of the unit and adds Macros to facilitate long, complex command sequences.

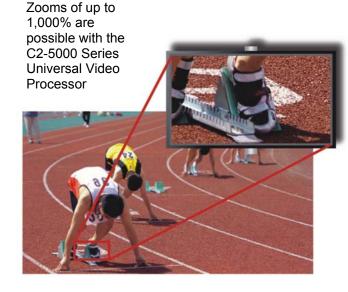
In addition, the optional CC-300 CORIOconsole provides a hardware control solution similar to a traditional Video Switcher.

A2-2000 Stereo Audio Switcher is an option offered to add Audio Follow Video or Audio Breakaway capability to the units. Both Balanced and Unbalanced inputs and outputs are provided.

Sample Capabilities

Key Features of the C2-5100, C2-5200

- Multiple Conversion & Scaling products in one
- Up to 10 Multi-format Inputs and 5 Outputs
- 2 Preview Outputs RGBHV and Composite
- I/O: CV, SV, YUV, YPbPr, RGBHV, RGsB, RGBS
- RGBHV to 2048x2048 & All HDTV Resolutions
- Genlock any Video Input to any other
- SDI I/O and Genlock (C2-5200 Only)
- AutoSet Sizing Exclusive CORIO® feature
- Seamless Switching with Cuts or Fades
- Unrestricted P-I-P Any Input over any other
- RS-232 Interface for external control
- CORIO2® Technology Conversion Engine
- Auto Detect Worldwide Television Standards
- Zoom up to 1000% with 100% Pan coverage
- Image Shrink to 10% with 100% Pan coverage
- Video Image Adjustment with Multiple Memory
- Front Panel Knob, Buttons & LCD for control
- Optional IR Remote or IP Interface
- Universal Internal Power Supply





Multi-format Chroma-keys are fully supported in the C2-5000 series Universal Video Processor

The C2-5000 Series Universal Video Processor allows you to insert an active Picture-in-Picture image over an active background without regard to signal type, with or without a border.





10 Video Inputs

Composite Video S-Video (Y/C) SDI (C2-5200 Only) RGBHV, YPbPr, YCbCr

Genlock Input

Reference Signal SDI (C2-5200 Only)

5 Video Outputs Composite Video S-Video (Y/C) SDI (C2-5200 Only) RGBHV, YPbPr, YCbCr

2 Preview Outputs

Composite Video RGBHV, YPbPr, YCbCr

Input/Output Range

Computer Resolutions Max Vert Refresh Rate Max Horiz Frequency HDTV Resolutions Interlace Support **Television Standards**

SDI (C2-5200 Only) Input RGB Sync Type

Level / Impedance Polarity Maximum Level

Output RGB Sync

Type Level / Impedance Polarity Audio Switching (Optional A2-2000) Stereo Inputs Program Output Preview Output Connectors per I/O

Control Methods Local Front Panel

RS-232 Interface IP Interface Infrared Control Option Audio Switcher Control

Mechanical

Desktop Case (HWD) With Rack Ears (HWD) C2-5100 Weight (Net) C2-5200 Weight (Net) A2-2000 Weight (Net) Environmental Operating Temperature Operating Humidity Storage Temperature

Storage Humidity

3x via BNC Connector 3x via 4-PIN Mini-DIN Connector 1x via BNC Connector 3x (1x via 5-BNC, 2x via HD-15F) (Note 1)

Any of the Video Inputs 1x via BNC

1x via BNC Connector 1x via 4-PIN Mini-DIN Connector 1x via BNC Connector 2x (1x via 5-BNC, 2x via HD-15F)

1x via BNC Connector 1x via HD-15 Female Connector

Up to 2048x2048 250Hz 150KHz All Known Resolutions & Formats Progressive and Interlaced PAL-B, G, I, D, H, PAL-M, PAL-N NTSC 3.58, NTSC 4.43, SECAM, SMPTE 259M

Auto-detect RGBHV, RGBS, RGsB TTL, 10KΩ Positive or Negative 5Vp-p

RGBHV, RBGS 5Vp-p, 220Ω Positive or Negative

- 10x Balanced and Unbalanced 1x Balanced and Unbalanced 1x Balanced and Unbalanced
- 2x RCA for Unbalanced
- 1x Terminal Block for Bal & Unbal

10x Programmable Buttons +LED, Rotary Selector, LCD Readout **DB-9** Male Connector Optional – RJ45 Connector IRC-5 Remote Control Unit Via D-15 Options Connector from the Main Unit

1.75"x17"x7.9" (44x420x200mm) 1.75"x19"x7.9" (44x482x200mm) 8.0 lbs (3.6 kg) 8.4 lbs (3.8 kg) 6.0 lbs (2.7 kg)

+5° to +45° C (+41° to +113° F) 10% to 85%, Non-condensing -10°to +70° C (+14° to +158° F) 10% to 85%, Non-condensing



General

Image Size & Position Image Zoom Range Image Shrink Range Image Mirroring Image Freeze Video Memory

Resolution Memory Firmware Memory Flicker Filter Picture-in-Picture Number PIP Windows Video I/O Impedance Video Decoder Comb Filter Decoding De-Interlacing (PAL-NTSC) Film Mode (NTSC) Video Encoder **Digital Sampling** Colors Video Scaling Engine Internal Format Internal Test Patterns LCD Panel Logo Inserter Proc Amp Adjustments

Proc Amp Memory **Power Requirement** Internal Power Supply Warranty

Limited Warranty **Regulatory Approvals** Video Scaler Unit **Power Supplies Accessories Included** 1x C-Video Input Cable 1x S-Video Input Cable 1x VGA Output Cable 1x RGBHV Out Cable 1x RS-232 Cable 1x AC Power Cord 1x Operations Manual 1x Rackmount Kit 1xControl Software **Optional Accessories** A2-2000 IRC-4 Add 10 to Model No. CC-300 CORIOconsole **Product Item Number** C2-5100 C2-5110 C2-5200 C2-5210

Notes (1) RGBHV Inputs/Outputs may also be RGBS or RGsB. (2) A2-2000 is controlled from the C2-5100 or C2-5200 and provides Audio Follow Video or Audio Breakaway.

Horizontal and/or Vertical Full Frame 4x4MBytes Picture Memory Buffers (16MBytes total) Approximately 1,000 Definable Flash, Upgradeable via RS-232 4-Level Vertical Any 2 Video Inputs Multiple Units may be Cascaded 75Ω 9-bit Digital Adaptive **Pixel-level Motion Adaptive** 3:2 Pull Down Detection 10-bit Digital 24-bit, 8-bits per R, G and B 16.7 Million Proprietary CORIO2® 4:2:2 YCbCr User Defined 24x2 Character Flash Programmable Brightness, Contrast, Saturation, & Hue for CV & SV Inputs, plus Video Level for RGB Inputs Settings for each Video Input

AutoSet or Manual

Continuous to 10%

Continuous to 1000%

100-240VAC, 47-63Hz, 50W

2 Years Parts and Labor

FCC, CE UL, CE, CSA

6' (2m) BNC to BNC 6' (2m) 4-Pin S-V to 4-Pin S-V 6' (2m) HD-15 Male to Male 6' (2m) 5 BNC to 5 BNC 6' (2m) D9F to DB9F 6' (2m) US, UK or Euro or Type C2-5000 Series 2 Ears and 4 Screws Downloadable from website

Audio Switcher (Note 2) **IR Remote Control Unit** Network Interface (Factory Installed) Hardware Control Panel

Universal Scaler Universal Scaler with IP Interface Universal Scaler with SDI I/O Universal Scaler with SDI & IP

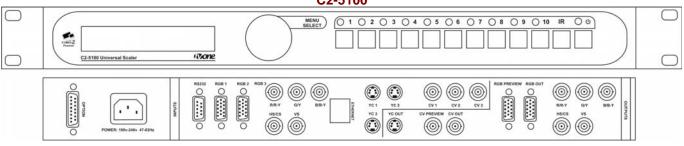


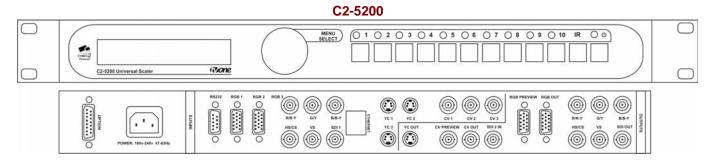
Models C2-5100, C2-5200





C2-5100





A2-2000

