

C2-5200, C2-5100 Specifications

10 Video Inputs

Composite Video	3x via BNC Connector
YC (S-Video)	3x via 4-PIN Mini-DIN Connector
SD/SDI (C2-5200 Only)	1x via BNC Connector
RGBHV, YPbPr, YUV	3x (1x via 5-BNC, 2x via HD-15F) (Note 1)

Genlock Input

Reference Signal	Any of the Video Inputs
SDI (C2-5200 Only)	1x via BNC

5 Video Outputs

Composite Video	1x via BNC Connector
YC (S-Video)	1x via 4-PIN Mini-DIN Connector
SD/SDI (C2-5200 Only)	1x via BNC Connector
RGBHV, YPbPr, YUV	2x (1x via 5-BNC, 2x via HD-15F)

2 Preview Outputs

Composite Video	1x via BNC Connector
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
Television Standards	PAL-B, G, I, D, H, PAL-M, PAL-N, NTSC 3.58, NTSC 4.43, SECAM, SMPTE 259M

SD/SDI (C2-5200 Only)

Input RGB Sync

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

Output RGB Sync

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

Output YPbPr Sync

Type	Bi-level
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Control Methods

Local Front Panel	10x Programmable 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

Mechanical

Desktop Case (HWD)	44x432x201mm (1.75"x17"x7.9")
With Rack Ears (HWD)	44x483x201mm (1.75"x19"x7.9")
C2-5100 Weight (Net)	3.48 kg (7.66 lbs)
C2-5200 Weight (Net)	3.58 kg (7.88 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

Regulatory Approvals

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

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
Flicker Filter	4-Level Vertical
PIP	Any 2 Video Inputs
Number PIP Windows	Multiple Units may be Cascaded
Video I/O Impedance	75Ω
Video Decoder	9-bit Digital
Comb Filter Decoding	Adaptive
De-Interlacing (PAL-NTSC)	Pixel-level Motion Adaptive
Film Mode (NTSC)	3:2 Pull Down Detection
Video Encoder	10-bit Digital
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	Brightness, Contrast, Saturation, & Hue for CV & SV Inputs, plus Video Level for RGB Inputs
Proc Amp Memory	Settings for each Video Input

Power Requirement

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

Limited Warranty	2 Years Parts and Labor
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Accessories Included

1x AC Power Cord	US, UK or Euro
1x Operations Manual	C2-5000 Series
1x Rackmount Kit	2 Ears and 4 Screws

Optional Accessories

A2-2000	Audio Switcher (Note 2)
IRC-5	IR Remote Control Unit
Add 10 to Model No.	Network Interface (Factory Installed)
RM110	Long arm rack ears for 24" to 32" deep racks
CC-300 CORIOconsole	Hardware Control Panel
1x Control Software	Downloadable from website

Product Item Number

C2-5100	Universal Scaler
C2-5110	Universal Scaler with IP Interface
C2-5200	Universal Scaler with SD/SDI I/O
C2-5210	Universal Scaler with SD/SDI & IP

Note

- (1) RGBHV Inputs/Outputs may also be RGBS or RGsB.
- (2) A2-2000 is controlled from the C2-5000 and provides Audio Follow Video or Audio Breakaway. A Separate Spec Sheet available for this option.

