

C2-7210, C2-7200 Specifications

Video Inputs

Composite Video	3x via BNC Connector
YC (S-Video)	3x via 4-PIN Mini-DIN Connector
DVI-I (Note 1)	3x via DVI-I Connector
SDI (SD or HD-SDI)	2x via BNC

Genlock Input

Reference Signal	Any of the Video Inputs
------------------	-------------------------

2x Independent Outputs, each with:

Composite Video	1x via BNC Connector
YC (S-Video)	1x via 4-PIN Mini-DIN Connector
DVI-I (Note 1)	1x via DVI-I Connector
SDI (SD or HD-SDI)	1x via BNC

Input/Output Range

Computer Resolutions	Analog: Up to 2048x2048 DVI: Up to 1280x1024 @ 60Hz/1080p30
Max Vert Refresh Rate	250Hz
Max Horiz Frequency	150KHz
HDTV Resolutions	All thru 1080p
Interface Support	Progressive and Interlaced
Television Standards	NTSC 3.58, 4.43, PAL-B,G,I ,D, H, PAL-M, PAL-N & SECAM (In Only)
SDI	SD-SDI or HD-SDI

Input RGB Sync

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

Output RGB Sync

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

YPbPr Input/Output Sync

Type	Tri-Level
------	-----------

Control Methods

Front Panel – C2-7200	10x2 Programmable Buttons +LED, Rotary Selector and LCD
Front Panel – C2-7210	48 Buttons + LED and LCD
RS-232 Interface	DB-9 Male Connector
IP Interface	RJ45 Connector

Mechanical

Desktop Case (HWD)	44x432x201mm (1.75"x17"x7.9")
With Rack Ears (HWD)	44x483x201mm (1.75"x19"x7.9")
C2-7210 Weight (Net)	3.16 kg (6.95 lbs)
C2-7200 Weight (Net)	3.16 kg (6.95 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

Warranty

Limited Warranty	2 Years Parts and Labor
------------------	-------------------------

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 Sampling Rate	108MHz
Resolution Memory	Approximately 1,000 Definable
Firmware Memory	Flash, Upgradeable via RS-232
Flicker Filter	4-Level Vertical
PIP	2 Windows and Background from any 3 Video Inputs
Number PIP Windows	2 in Dual PIP Mode 1 in Switcher & Ind. Modes
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	4:4:4 YUV
Internal Test Patterns	User Defined
LCD Panel	24x2 Character
Logo Inserter	Flash Programmable
Proc Amp Adjustments	Brightness, Contrast, Saturation, & Hue for CV & YC Inputs, plus Video Level for RGB Input
Proc Amp Memory	Settings for each Video Input
SDI Jitter	
SMPT259M-C	(270Mbps: 525/625 Line) Jitter 0.070 +/-0.01 UI
SMPT292M	(1.485/1.4835Gpbs: 720p, 1035i, 1080i, 1080p) Jitter 0.176 +/-0.02 UI

Power Requirement

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

Accessories Included

2x Adapters	DVI to HD-15F Adapters
1x AC Power Cord	US, UK or Euro
1x Operations Manual	
1x Rackmount Kit	2 Ears and 4 Screws

Product Item Number

C2-7210	Version with 2 HD-SDI Inputs
C2-7200	Programmable Front Panel Version

Optional Accessories

CC-300	CORIOconsole
A2-2000	Audio Switcher
RM110	Long arm rack ears for 24" to 32" deep racks
1x Control Software	Downloadable from website

Audio Switching (Optional A2-2000) Note 2

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) DVI-I Input/Output connectors also accommodate RGBHV, RGBS (In Only), RGsB, YUV & YPbPr formats.
- (2) A2-2000 is controlled from the C2-7200/C2-7210 and provides Audio Follow Video or Breakaway.

