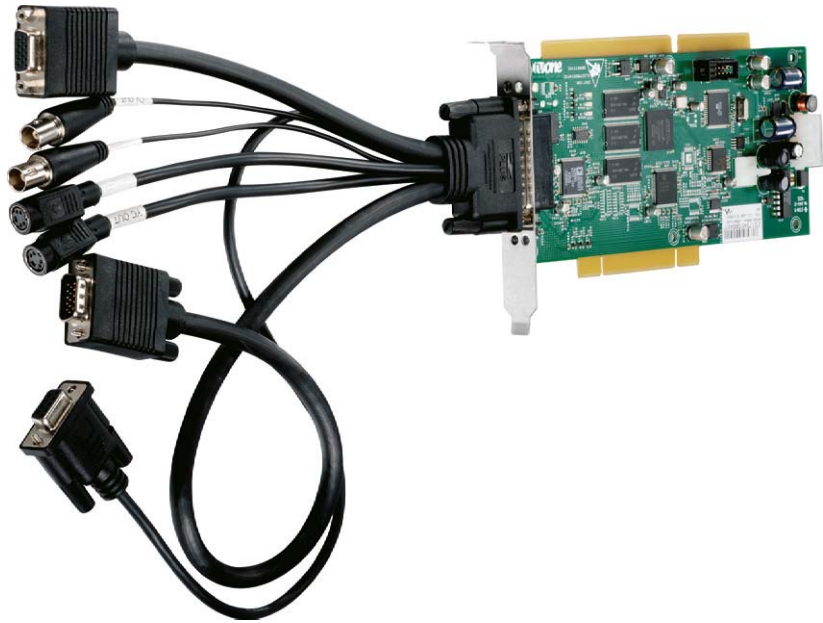


C2-160

Down Converter

Key Features C2-160

- Automatic Incoming Resolution Detection
- 1x Computer Input with Loop-thru
- Computer Resolutions to 2048x2048
- All HDTV resolutions to 1080p/60
- 1xCV and 1xYC (S-Video) Inputs
- Multiple Worldwide Television Standards
- 1xCV and 1xYC Outputs
- Control by RS-232 or IR Interface
- Windows Control Panel included
- Optional IR Remote Control
- Variable Image 10X Zoom & Shrink to 10%
- Genlock with Subcarrier Phase Adjustment
- Mix, PIP, Chromakey and Lumakey
- AutoSet - Automatic picture sizing



C2-160 PCI/ISA Card Down Converter is based on TV One's exclusive CORIO®2 technology and provides high quality scan conversion from Computer or HDTV signals to standard video formats in a compact package. It handles virtually any computer resolution up to 2048x2048 at any vertical refresh rate and all HDTV resolutions up to 1080p. A wide variety of computer signal formats are available to support PC, Mac and Workstation formats. Video outputs are switchable between NTSC and PAL and are simultaneously provided in Composite and YC. A PC loop-thru is also provided.

Our exclusive AutoSet feature takes the hassle out of setup by automatically sizing and positioning the computer image to fit exactly on the video screen. All settings can be stored in non-volatile memory and are retained even when power is switched off. All the functions can be controlled via an optional Infrared Remote Control Unit or an RS-232 connection. A Windows Control Panel is provided and most third party control systems interface directly with the entire C2 range of products. An On-Screen Display is available to assist in setup.

Variable Zoom to 10X allows you to enlarge any part of the computer screen to fill the entire video screen and position controls allow you to move around to any area desired. Variable Shrink to as little as 10% allows fitting the image onto most displays. The advanced Digital Flicker Elimination circuitry and high sampling rate insures crisp, clear images, while full bandwidth chroma sampling insures faithfully reproduced, high resolution colors. The C2-160 plugs into a vacant slot inside a PC and receives its power from a standard Hard Drive connector within the PC.

The C2-160 also features a wide variety of additional capabilities, such as Genlock, Chromakey and Lumakey. The Key Mode allows computer graphics to be keyed over an external Composite or YC signal. The keyed image may be faded in and out. Due to the 4:4:4 sampling format, precise keying at the pixel level can be achieved. The Mix Mode permits glitch-free mixing between the computer image and external video. The PIP Mode allows the computer input to be inset in a window over either of the video inputs.

The Genlock feature insures precise synchronization of the incoming signals by providing a wide Subcarrier lock range with Subcarrier phase adjustment.

The unit is provided with a single break-out cable incorporating all of the required PC and video inputs and outputs, along with RS232.

Down Converters

Distributor / Vertrieb:

VIDELCO – Professionelle Audio- Video- Medien-Technik!
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C2-160 Specifications

Computer Input	(Note 1)	Shrink Range	Variable to 10%
VGA Video	1x HD-15 Male Connector	Image Mirroring	Horizontal and/or Vertical
Signal Type - Analog	RGBHV, RGBS, RGsB, YPbPr	Horizontal Filtering	Full Digital
Sync	TTL Level, 10K Ω , Pos or Neg	Conversion Technology	Proprietary – CORIO®2
Termination	Auto-terminating into 75 Ω	Color Resolution	24-bit (16.8 Million Colors)
R-G-B Level Range	0.5-2.0 Vp-p	Sampling Rate	108MHz
Scan Rate Detection	Automatic	Digital Sampling	24-bit, 4:4:4 format
PC Resolutions	Any up to 2048x2048	Firmware Memory	Flash, Upgradeable via RS-232
HDTV Resolutions	Any up to 1080p/60	Video Adjustments	R-G-B Levels
Max Horiz Scan Rate	150KHz	Control Methods	
Video Inputs	(Note 1)	Local	Via Included software
Composite Video	1x BNC Connector	Infra-Red	Via Optional Remote Control
YC (S-Video)	1x 4-Pin Mini-DIN Connector	RS-232 Interface	Via D9 Female Conn. (Note 1)
Standards Supported	NTSC, PAL	Warranty	
Impedance	75 Ω	Limited Warranty	5 Years Parts and Labor
CV/YC Decoder	8-bit Digital	Regulatory Compliance	
Comb Filter Decoding	Adaptive	PCI/ISA Card	FCC, CE, CSA, RoHS
CV, YC Adjustments	Contrast, Bright, Saturation, Hue	Mechanical	
Sub-carrier Lock Range	+/-200Hz NTSC, +/-250Hz PAL	Size (W-D)	100mmx204mm (4"x8")
Sub-Carrier Phase	+/- 180 degrees	Weight (Net)	0.14 kg (0.31 lbs)
Video Outputs	(Note 1)	Environmental	
Composite Video	1x BNC Connector	Operating Temperature	0° to +50° C (+32° to +122° F)
YC (S-Video)	1x 4-PIN Mini-DIN Connector	Operating Humidity	10% to 85%, Non-condensing
Computer Loop-thru	1x HD-15 Female Connector	Storage Temperature	-10° to +70° C (+14° to +158° F)
Television Standards	NTSC, PAL	Storage Humidity	10% to 85%, Non-condensing
Impedance	75 Ω	Power Requirement	
CV/YC Encoder	8/10 bit Digital	12 VDC @ 800ma	Via PC Hard Drive Connector
Operational Modes		Accessories Included	
Key	Chromakey or Lumakey	1x Breakout Cable	HD-44 to Various Connectors
Mix	Mix PC To/From Video	1x Operations Manual	Provided on CD
PIP	Variable Window Size & Pos.	1x Control Software	Microsoft Windows Based
General		Product Item Numbers	
Pix Size and Position	Automatic AutoSet or Manual	C2-160	PCI/ISA Down Converter
Image Size	User-Definable Presets	Optional Accessories	
Image Freeze	One Video Frame	IRC5	Infrared Remote Control
Settings Memory	Non-Volatile	Note	
Zoom Range	Variable to 10X Zoom	(1) All Video and PC connections are via a breakout cable.	



C2-160 Breakout Cable



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