



C2-1200, C2-1250

Video Switcher/Scalers (▲, ✕ - C2-1250)

Key Features C2-1200, C2-1250

- Up ▲ (Cross ✕ - C2-1250 only) Conversion
- Automatic Incoming Resolution Detection
- Inputs: 2x CV, 2x YC (S-Video), 1x RGB, 1x YUV/YPbPr Component
- Outputs: 2x RGB or YPbPr, 1x UTP
- Analog RGBHV to 2048x2048
- All HDTV resolutions to 1080p/60
- Multiple Worldwide Television Standards
- Integral 4x1 Stereo Audio Routing Switcher
- RS-232 Interface
- Windows Control Panel
- Variable Image 10X Zoom & Shrink to 10%
- Optional IR Remote Control
- Optional Single/Dual Rackmount Kit
- Optional Expansion for Additional Inputs
- Scaling of the RGB or YPbPr Input Signal
- PIP, Chromakey and Lumakey, Edge Blending (C2-1250)
- AutoSet - Automatic picture sizing (C2-1250)



C2-1200 Video Switcher/Scaler is based on TV One's exclusive CORIO^{®2} technology and provides high quality up conversion from standard video formats to Computer or HDTV signals. NTSC and PAL video standards are supported. Video Inputs are two Composite, two YC or one YUV Component or YPbPr. A computer bypass is also provided. The output is selectable as 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.

A unique feature of this unit is the UTP output that supports RGB, RGBs, RGsB, YPbPr output at a range of up to 300 meters (1000'), to allow simple integration into existing wiring structures.

All the functions can be controlled via the front panel Push Buttons, an Infrared Remote Control Unit or via 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 video image to fill the entire computer 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 full bandwidth chroma sampling insures faithfully reproduced, high resolution colors.

Stereo Audio switching is provided by an integral 4x1 audio routing switcher. The four impedance-independent unbalanced inputs follow the video input selection. A rear panel terminal block provides access.

C2-1250 Video Switcher/Scaler PLUS has all the functions and features of the C2-1200 and adds a wide variety of additional capabilities, including scaling of the RGB or YPbPr input, Genlock, PIP, Chromakey, Lumakey and Mixing. The Key Mode allows computer graphics to be keyed over an external Composite or YC signal or vice versa. 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 either of the video inputs to be inset in a window over the full computer input.

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 are stored in non-volatile memory and are retained even when power is switched off. Optional rackmount kits are available for all C2-1000 models.

Video Switcher/Scalers

Distributor / Vertrieb:

VIDELCO – Professionelle Audio- Video- Medien-Technik!
Tel.: +49 (0)2102 / 86 39-00 • Fax: +49 (0)2102 / 86 39-17 • info@videlco.eu • www.videlco.eu





C2-1250
WFX 2007
Best Video
Processor
Award

C2-1200/1250 Specifications

Video Inputs

| | |
|----------------------|---------------------------------|
| Television Standards | NTSC, PAL, PAL-M, PAL-N, SECAM |
| Composite Video | 2x via BNC |
| YC (S-Video) | 2x via 4-Pin Mini-DIN Connector |
| YUV/YPbPr | 1x via 3-BNC |

Computer Input

| | |
|------------------------|-------------------------------|
| RGB/YPbPr | (C2-1250 Only) 1x via HD15 |
| Format - Analog | RGBHV, RGBS, RGsB, YPbPr |
| Sync | TTL Level, 10KΩ, Pos or Neg |
| Termination | Auto-terminating into 75Ω |
| R-G-B Level Range | 0.5-2.0 Vp-p |
| Scan Rate Detection | Automatic |
| PC Resolutions | Any up to 2048x2048 |
| HDTV Resolutions | Any up to 1080p/60 |
| Max Horiz Scan Rate | 150KHz |
| Computer Compatibility | PC, Macintosh, Workstations |

Computer Output

| | |
|-----------------------|---|
| Format - Analog | RGBHV, RGBS, RGsB, YPbPr, UTP |
| Connectors | 1x HD-15 Female, 1x 5-BNC and 1x RJ45 (UTP) |
| R-G-B Level | 0.7 Vp-p |
| PC Resolutions | Any up to 2048x2048 |
| HDTV Resolutions | Any up to 1080p |
| Vertical Refresh Rate | Any to 250Hz |

General

| | |
|---------------------------|---|
| Size and Position | Automatic via AutoSet or Manual |
| Image Size | User-Definable Presets |
| Image Freeze | One Video Frame |
| Settings Memory | Non-Volatile |
| Zoom Range | Variable to 10X Zoom |
| Shrink Range | Variable to 10% |
| Image Mirroring | Horizontal and/or Vertical |
| Horizontal Filtering | Full Digital |
| Conversion Technology | Proprietary – CORIO [®] 2 |
| Color Resolution | 24-bit (16.8 Million Colors) |
| Digital Sampling | 24-bit, 4:4:4 format |
| Firmware Memory | Flash, Upgradeable via RS-232 |
| Video Decoder | 9-bit Digital |
| De-Interlacing (NTSC-PAL) | Pixel-level Motion Adaptive |
| Comb Filter Decoding | Adaptive |
| Film Mode (NTSC) | 3:2 Pull-down |
| Video Adjustments | Contrast, Brightness, Saturation, Hue (NTSC), R-G-B Levels |

Audio Input/Output

| | |
|--------|-----------------------------|
| Inputs | 4x Unbalanced via Terminals |
| Output | Unbalanced via Terminals |

Operational Modes

| | |
|-----|---------------------------------|
| Key | Chromakey or Lumakey |
| Mix | PC to/from Video |
| PIP | Variable Window Size & Position |

Control Methods

| | |
|------------------|-------------------------------|
| Local | via Front Panel Buttons & OSD |
| RS-232 Interface | via D9 Female Connector |
| Infrared Remote | via IRC-5 Remote Unit |

Warranty

| | |
|------------------|-------------------------|
| Limited Warranty | 5 Years Parts and Labor |
|------------------|-------------------------|

Regulatory Compliance

| | |
|----------------|----------------------------|
| Main Units | FCC, CE, RoHS |
| Power Supplies | UL, CUL, CE, PSE, GS, RoHS |

Mechanical

| | |
|--------------|----------------------------------|
| Size (H-W-D) | 41.5x218x150mm (1.63"x8.6"x5.9") |
| Weight (Net) | 1.26 kg (2.77 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 |

Power Requirement

| | |
|-----------------------|----------|
| External Power Supply | 12VDC@1A |
|-----------------------|----------|

Accessories Included

| | |
|----------------------|----------------|
| 1x Operations Manual | C2-1000 Series |
| 1x Power Adapter | US, UK or Euro |

Product Item Numbers

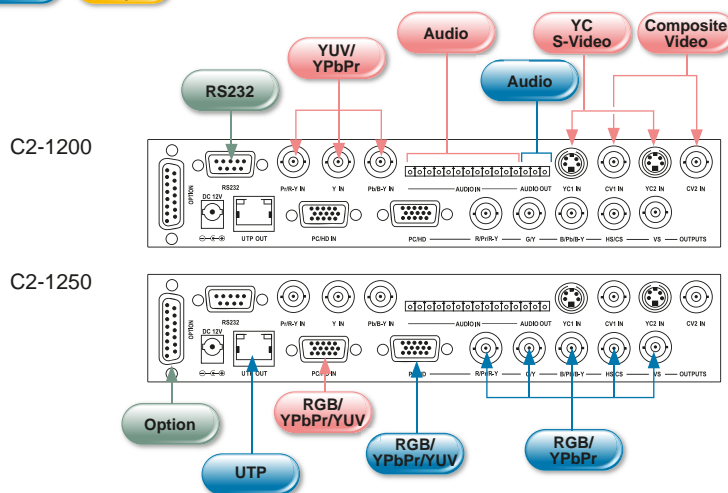
| | |
|---------|----------------------------|
| C2-1200 | Video Switcher/Scaler |
| C2-1250 | Video Switcher/Scaler PLUS |

Optional Accessories

| | |
|---------------------|---------------------------|
| IRC-5 | Infrared Remote Control |
| RM-220 | Single/Dual Rackmount Kit |
| S2 Series | Input Expansion Switchers |
| 1x Control Software | Downloadable from website |

Compatible UTP Receivers

| | |
|-----------|--------------------------------|
| 1T-CT-442 | RGBHV - 150 meters (500' max) |
| 1T-CT-444 | RGBHV - 300 meters (1000' max) |
| 1T-CT-464 | YPbPr - 150 meters (500' max) |



Distributor / Vertrieb:

VIDELCO – Professionelle Audio- Video- Medien-Technik!
Tel.: +49 (0)2102 / 86 39-00 • Fax: +49 (0)2102 / 86 39-17 • info@videlco.eu • www.videlco.eu

