

CORIOview C2-6104 4-Window DVI-I Processor is based on TV One's exclusive CORIO®2 technology and has five DVI-I inputs (including one for cascade or background usage) to place up to 4 sizeable windows on a single DVI-I output. Each window is powered by a CORIO®2 scaler providing full PIP flexibility.

DVI-D resolutions up to 1920x1200@60Hz and 1080p are supported along with analog DVI-A (RGBHV/YUV/YPbPr via optional HD-15 adaptor) resolutions up to 2048x2048 at virtually any refresh rate. Virtually all computer signal formats are accommodated. High performance de-interlacing with motion-adaptive noise reduction provides input compatibility with YUV and YPbPr sources such as 525i, 625i, 720p, 1080i and 1080p. Custom resolutions can also be added quickly and easily using available software.

All settings are stored in non-volatile memory and are retained even when power is switched off. Ten user defined presets (controllable directly from the front panel or external communications) are also available to customize settings for various applications. A built-in LCD and menu system aids quick setup. Functions can be controlled via the front panel Push Buttons, RS-232/RS-422/RS-485 or Ethernet.

Color borders and source labeling are also provided for each window. Four Still Image Stores are built into the unit which can each display one of ten user loadable graphic images to be used in place of an input. The 5th input is available for use as a background to the 4 windows, or as a cascade input from another CORIOview unit – thus adding 4 more windows per unit.

The CORIO® Tool Suite integrates fully with the unit and most third party control systems interface directly with the entire C2 range of products.

Variable Zoom to 10X allows you to enlarge any part of the graphic 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 multiple images next to each other, with full positional controls.

Advanced Features include Genlock, Chromakey, Lumakey and Mixing. The Key Mode allows any window to be keyed over any other with variable priority / layer control. 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 unit is housed in a 1RU case with rack mount ears provided and is powered from a standard 110-240V supply.



Key Features of the CORIOview C2-6104

- 4-Window Processor
- 4x High Quality CORIO®2 Scaling Engines
- 5x DVI-I inputs
- 5th input for background or cascading multiple units
- 4x Internal Still Image Stores
- DVI-D I/O support to 1920x1200, 1080p@60Hz
- DVI-A I/O support to 2048x2048, 1080p@60Hz
- Analog supports RGBHV, RGBS, RGsB, YPbPr
- 10 User-definable Presets for quick setup
- Motion Adaptive De-interlacing and Noise Reduction for YUV and YPbPr inputs
- Color Borders and Source Labeling
- Variable Image Zoom to 10X and Shrink to 10%
- Per-pixel or Percentage Scaling Control
- Autoset - Automatic Analog Picture Sizing
- Chromakey, Lumakey, Genlock and Mix
- Front Panel includes LCD, Menu Control and Quick- Setup features
- Control via RS-232/RS-422/RS-485, Ethernet or Front Panel
- CORIO Tool Suite compatible
- Optional modules (e.g. for Tally input/output)
- 1RU rack-mount case



This symbol on a product indicates that it is powered by CORIO®2 technology, the most flexible video processing engine now available.

Unlike most manufacturers, who use third party chipsets to provide video conversion, TV One has developed its own proprietary technology known as CORIO®2. This frees TV One products from the constraints imposed by third parties and results in an unsurpassed degree of flexibility. Products based on third party chipsets have a feature set frozen at the introduction of the product. Since the CORIO®2 video processing engine is entirely firmware based, it can be upgraded at any time by downloading the latest firmware version from the support website and flash upgrading the unit in the field. This enables new features to be added to units many years after the initial purchase. This "obsolescence insurance" means that a CORIO®2 based product can always be upgraded to the latest version of that model.

Specifications

Inputs

Signal Type 5x DVI-I via DVI-I Connector

Digital DVI-D Format:

Max HD Resolution 1080p@60Hz
Max PC Resolution 1920x1200@60Hz

Analog DVI-A Format:

Max HDTV Resolution 1080p@60Hz
Max PC Resolution 2048x2048
Max Horiz Scan Rate 150KHz
Signal Format RGBHV, RGBS, RGsB, YPbPr
Sync TTL Level, 10KΩ, Pos or Neg
Termination 75Ω
R-G-B Level Range 0.5-2.0 Vp-p
Scan Rate Detection Automatic

Output

Signal Type 1x DVI-I via DVI-I Connector

Digital DVI-D Format

Max HD Resolution 1080p@60Hz
Max PC Resolution 1920x1200@60Hz

Analog DVI-A Format

Max HDTV Resolution 1080p@60Hz
Max PC Resolution 2048x2048
Vertical Refresh Rate Any to 250Hz
Signal Format RGBHV, RGBS, RGsB, YPbPr
R-G-B Level 0.7 Vp-p

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
YPbPr de-interlacing Motion adaptive + noise reduction
Film Mode (525i/1080i) 3:2 Pull Down Detection
Conversion Technology Proprietary – CORIO®2
Frame Rate Conversion Frame add/drop
Color Resolution 24-bit (16.8 Million Colors)
Sampling Rate 162MHz
Digital Sampling 24-bit, 4:4:4 format
Firmware Memory Flash, Upgradeable via RS-232
Analog Video Adjust R-G-B Levels Contrast, Phase

Control Methods

Local via Front Panel Buttons & LCD
RS-232/RS-485/RS-422 via D9 Female Connector
Ethernet (TCP/IP) RJ45

Warranty

Limited Warranty 2 Years Parts and Labor

Regulatory Compliance

Main Units FCC, CE, RoHS
Power Supply UL, CUL, CE, PSE, GS, RoHS

Mechanical

Desktop Case (HWD) 44x420x200mm (1.75"x17"x7.9")
With Rack Ears (HWD) 44x482x200mm (1.75"x19"x7.9")
Weight (Net) TBA

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

Internal Power Supply 100-240VAC, 50-60Hz, 50W

Accessories Included

1x AC Power Cord 6' (2m) US, UK or Euro
2x VGA to DVI Adapters
1x Operations Manual
1x Rack mount Kit 2 Ears and 4 Screws
1x Control Software Downloadable from website

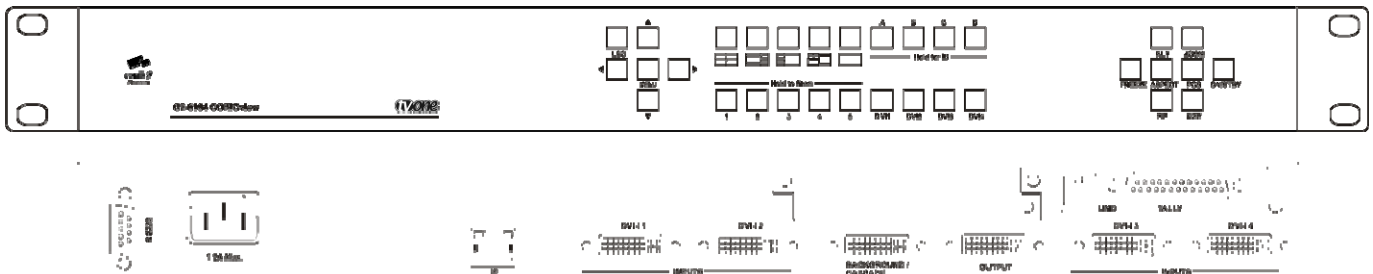
Product Item Numbers

CORIOview C2-6104 Dual-PIP DVI-I Scaler

Optional Accessories

RM110 Rear rack rail supports for 24" to 32" deep racks
ZDH-2038 DVI-I Male to 5-BNC Female
ZDH-2040 DVI-I Male to VGA Female
(TBA) Optional modules (e.g. Tally)

Panel Drawings



Shown with optional module fitted.