

TV One C2-6104A CORIOview 4-Window DVI-U Processor

CORIOview C2-6104A 4-Window DVI-U Processor is based on TV One's exclusive CORIO®2 technology and has five DVI-U 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-U covers multiple Digital and Analog formats and is the same as DVI-I plus Composite Video. 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. Composite Video is also supported. 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

User-defineable Presets Ten user defined presets (controllable directly from the front panel or external communications) are available to customize settings for various applications. The 4 scaleable windows can be positioned and layered anywhere on the output monitor. Colored borders and source labelling 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 fifth input can be used for a background color, unscaled video or for cascading

Still Image Store

The CORIOview Multiviewers have four Still Image Stores which can each display one of ten user loadable graphic images in place of an input. A stored user image such as a custom logo or test card can be keyed, scaled and positioned over the full screen image. Keyed images can be faded in and out, and due to its 4:4:4 sampling format, precise keying at pixel level can be achieved.

Cascading 2 or more Units Several CORIOview C2-6104 units can be cascaded together to expand the number of images displayed. This example shows the combination of two units to provide eight scaled and positioned images from eight separate sources over an unscaled background.

CORIO® Tool Suite Integration The CORIO® Tool Suite integrates fully with the CORIOview C2-6104. Amongst its many useful applications is the ability to visually label each input. This allows the operator to keep track of which window relates to which input - particularly useful when cascading units.

C2M-TALLY is an optional module for the CORIOview C2-6000 Series Multiviewers to provide both Tally and UMD support.

Tally-input and Tally-output pins are available on a D25 connector and a low-current 5V output is supplied for LED power.

Tally inputs can control either the border color of video sources, or the loading of user-defined Presets in the C2-6000 Series unit.

An RJ45 RS-422/485 connector provides an input for under-monitor-display (UMD) systems (supporting TSL 3.1 protocol). This allows a text label to be automatically assigned to each video source.

Please note that this module must be fitted at the factory or at an authorized service center – it is not user installable.

FEATURES

- 4-Window Processor
- 4x High Quality CORIO®2 Scaling Engines
- 5x DVI-U inputs (DVI-I, DVI-A and Composite Video)
- 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
- Optional Tally Module