

# CORIOview C2-6204

## 4 Window 3G-SDI Multiviewer



### Key Features C2-6204

- 4-window Processor
- 4 high quality CORIO@2 scaling engines.
- 4 3G-SDI inputs with re-clocked loop through
- 5th input (DVI-I) 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
- SDI Output support, SD/HD/3G
- Analog supports RGBHV, RGBS, RGsB, YPbPr
- 10 user-definable presets
- Motion adaptive de-interlacing & noise reduction for YUV & YPbPr inputs
- Color borders and source labeling
- Zoom up to 10X with Full Positioning
- Image Shrink to 10% with Full Positioning
- Per-pixel or percentage scaling
- Autoset - Automatic analog picture sizing
- Chromakey, Lumakey, Genlock & Mix
- Up to 4 stereo audio bars with color graduations available per window.
- Front panel includes LCD, menu control and quick-setup features
- Control via RS-232/RS-422/RS-485, Ethernet or Front Panel
- CORIOtools Suite compatible
- Optional modules (e.g. for Tally I/O)
- 1RU rack-mount case

**CORIOview C2-6204 4-Window 3G SDI Processor** is based on TV One's exclusive CORIO@2 technology and has four 3G SDI inputs plus a DVI-I input (for cascade or background use) to place up to 4 sizeable windows on a single DVI-I / 3G SDI output. Each window is powered by a CORIO@2 scaler providing full PIP flexibility.

3G SDI resolutions up to 1080P/60 are supported. High performance de-interlacing with motion-adaptive noise reduction are available for interlaced sources. The unit provides a DVI-I output as well as a duplicate 3G SDI capable output.

All settings are stored in a non-volatile memory and are retained even when power is switched off. A built-in LCD and menu system aids quick setup allowing functions to be controlled via the front panel Push Buttons, or alternatively via RS-232/ RS-422/RS-485 or Ethernet.

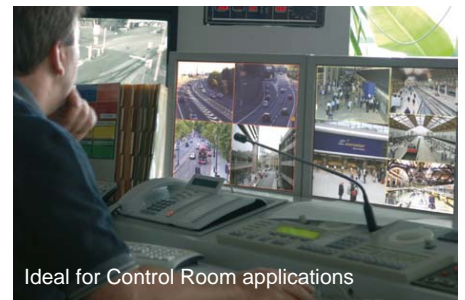
Variable Zoom to 10X allows you to enlarge any part of the graphic image to fill the entire computer screen and position controls allow you to move around to any area desired. Variable Shrink to as little as 10% allows fitting multiple images next to each other, with full positional controls.

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.

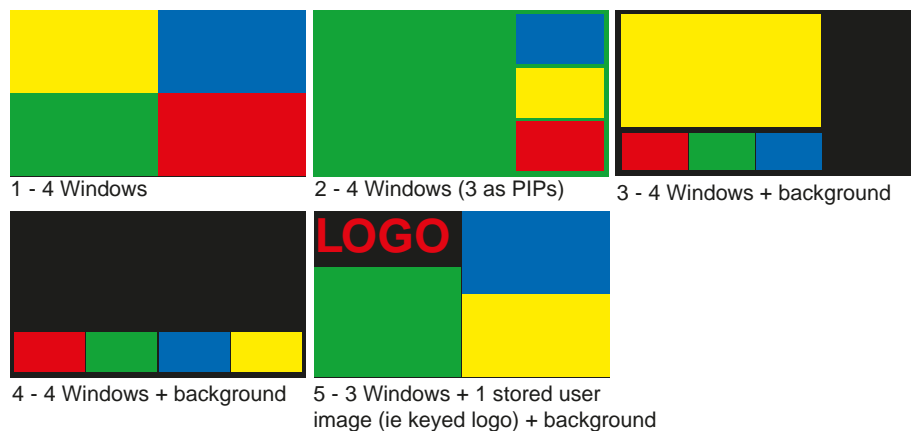
Each window can also have audio bars present, showing the activity of any audio in the SDI source signal. Up to 4 stereo audio bars may be displayed in each window. Different colors show activity at certain amplitudes of signal.

### 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.



### Preset Examples



## Multiviewers

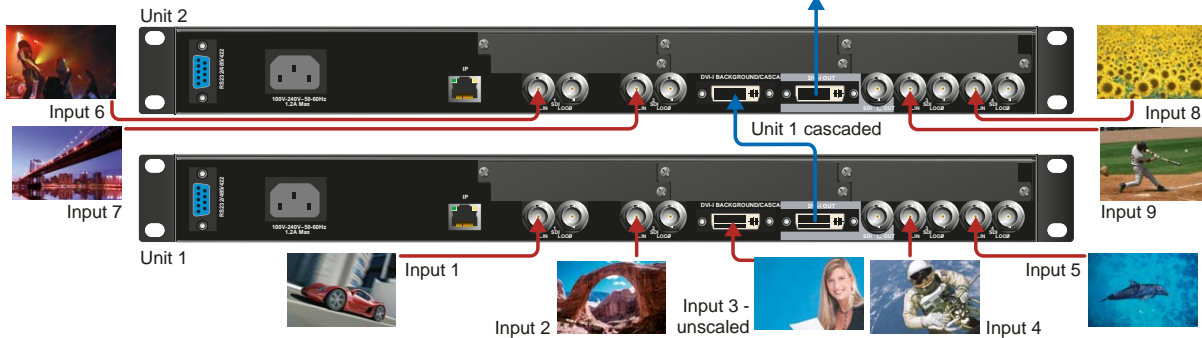
Distributor / Vertrieb:

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## Cascading 2 or more units

Several CORIOview Multiviewer 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.

In cascading the output from Unit 1 is fed into the Background/cascade input of Unit 2



### C2-6204 Specifications

#### Inputs

##### Signal Type

4x 3G SDI via BNC Connector  
1 x DVI-I via DVI Connector (5th input)

##### SDI Format:

3G, HD, SD SDI SMPTE 259M, SMPTE 392M, SMPTE 425M with re-clocked loop through

##### 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  
1 x 3G SDI via BNC Connector

##### SDI Format:

3G, HD, SD SDI SMPTE 259M, SMPTE 392M, SMPTE 425M

##### 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

#### Audio

Embed / De-Embed SDI / HDMI - via DVI connector

#### 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  
YPbPr de-interlacing  
Film Mode (525/1080i)  
Conversion Technology  
Frame Rate Conversion  
Color Resolution  
Sampling Rate  
Digital Sampling  
DVI I/O  
Firmware Memory  
Analog Video Adjust  
On Screen Display

#### 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 5 Years Parts and Labor

#### Regulatory Compliance

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

#### Mechanical

Desktop Case (HWD) 44x432x200mm (1.75"x17"x7.9")  
With Rack Ears (HWD) 44x482x200mm (1.75"x19"x7.9")  
Weight (Net) 3.1Kg (6.8 lb)

#### 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 TBC  
1x Operations Manual  
1x Rack mount Kit 2 Ears and 4 Screws  
1x Control Software Downloadable from website

#### Product Item Numbers

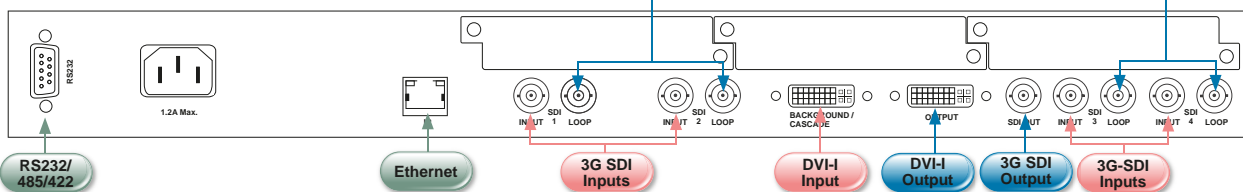
CORIOview C2-6204 3G SDI Multiviewer

#### Optional Accessories

ZDH-2038 DVI-I Male to 5-BNC Female  
ZDH-2040 DVI-I Male to VGA Female  
C2M-TALLY Tally/UMD module



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