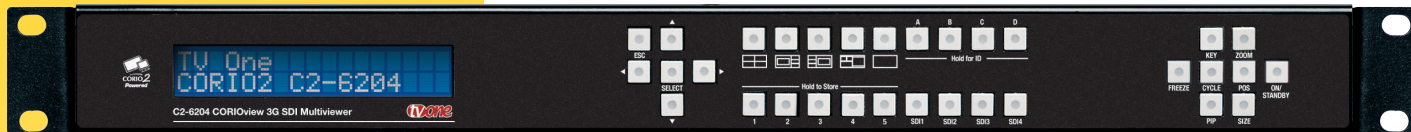


CORIOview C2-6204

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 tvONE'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.



Ideal for Control Room applications

Preset Examples



1 - 4 Windows



2 - 4 Windows (3 as PIPs)



3 - 4 Windows + background



4 - 4 Windows + background

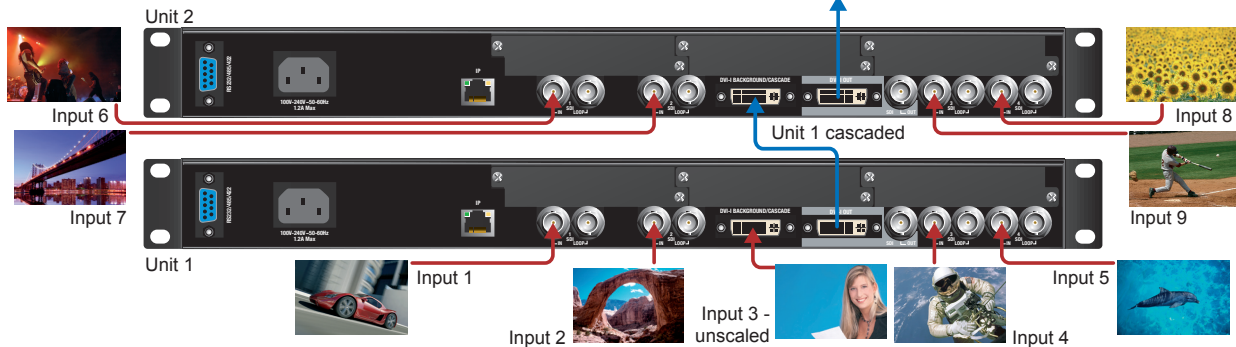


5 - 3 Windows + 1 stored user image (ie keyed logo) + background

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 (525i/1080i)

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

DVI I/O

HDCP Compliant

Firmware Memory

Flash, Upgradeable via RS-232

Analog Video Adjust

R-G-B Levels Contrast, Phase

On Screen Display

4 Stereo audio level bars per window

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

TBC

1x Operations Manual

1x Rack mount Kit

2 Ears and 4 Screws

Downloadable from website

1x Control Software

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



C2-6204

