



Make the
most of your

V I S U A L
S P A C E

CORIOview

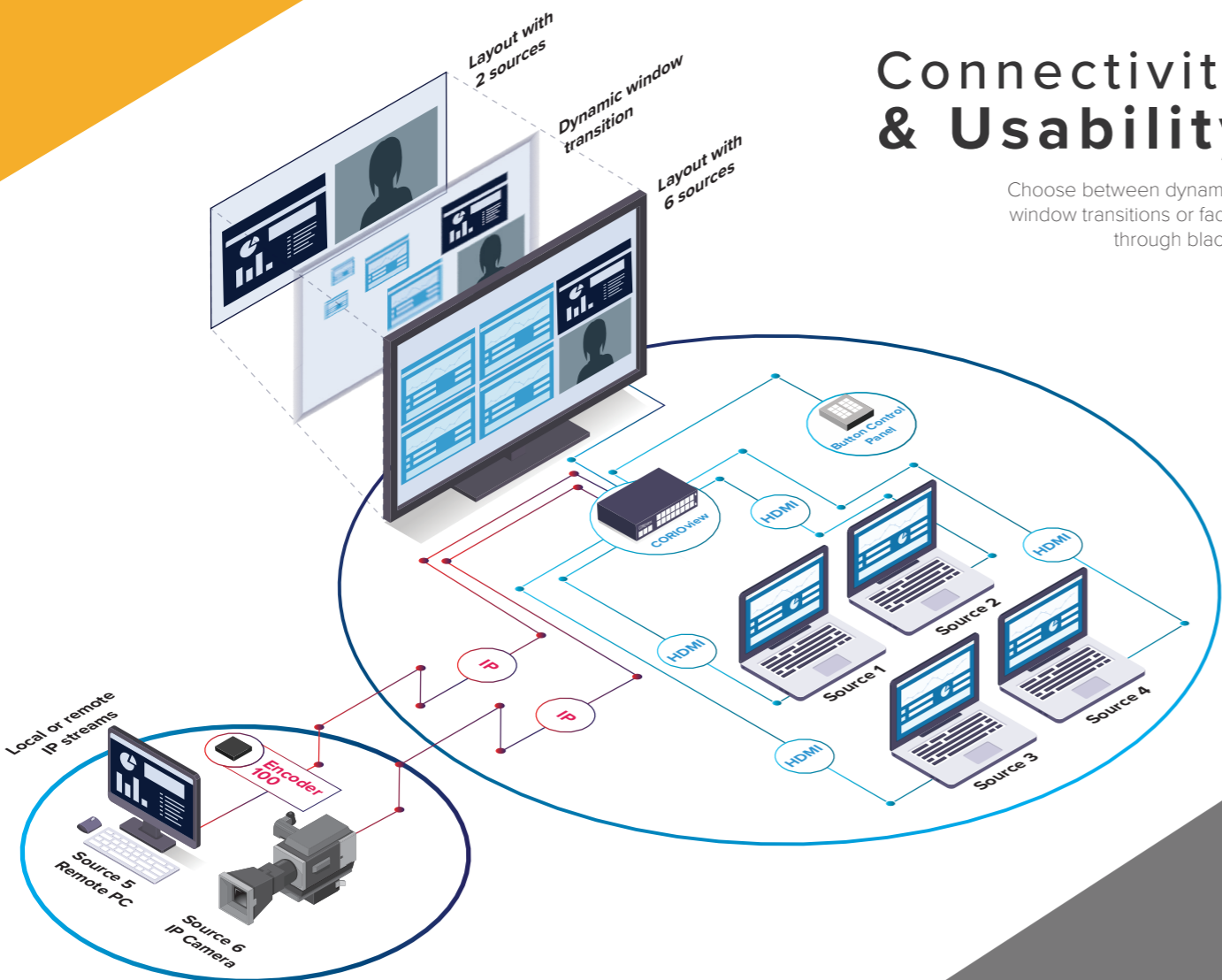
Multi-window processor

CORIOview

the multi-window processor redefined

CORIOview is the fastest, most intuitive 4K multi-window processor with up to 8 sources. This easy to use, plug and play solution features 16 buttons for preset recall or source selection, making usability a breeze. Be the instant expert with our unique info button that displays instant on screen info of your source and window selection.

For more advanced applications, take full control with tvONE's CORIOgrapher software to fire presets, switch sources, select audio and add borders and source labeling.



COMPACT
SIMPLE
VERSATILE



- High density design** allows up to eight AV or broadcast inputs, including streaming media decoding and a 4K media player.
- Seamless hook up** with your external audio system using our S/PDIF connector.
- Output stunning 4K** with the option for portrait, landscape or cloned outputs with our range of output modules.
- Choose your control** using CORIOview's front panel, CORIOgrapher software or your control system of choice.

<p>Presets Preconfigured window layouts with borders and source labeling.</p>	<p>Transitions Simple fade through black and eye-catching motion transitions.</p>	<p>4K Enjoy stunning CORIO® video quality with pristine scaling up to 4K30.</p>
<p>Info button Show exactly which sources are displayed for stress free operation.</p>	<p>Display options Choose between portrait or landscape displays.</p>	<p>Secure communication Keep your information safe using our HTTPS TLS connectivity.</p>
<p>Audio Crystal clear audio from your display or our S/PDIF output.</p>	<p>Mounting Choose between a 19" rack mount, surface mount or ONERack options.</p>	<p>Versatile control Effortless multi-user control using our real-time RESTful API.</p>

Every facility deserves a CORIOview

Make quick decisions and significantly increase your team's efficiency with CORIOview. Save space and money by using only one screen with this simple to use, yet ultra-powerful set-and-forget processor.



EDUCATION

Increase training outcomes by transforming your learning environments into immersive collaboration zones. Engage with your students, compare facts and share multiple sources while still maintaining ease of use.



CORPORATE

Boost collaboration and information sharing in your corporate environments with 4K clarity, 24/7 reliability, and multiple video windows. Use CORIOview to help boost productivity and reduce display costs.



INDUSTRIAL

Enhance your visualization capabilities and share data like never before. Instant preset selection and source switching allow you to make high pressure judgment calls.



EVENTS & RETAIL

Create a wow factor. Display multiple feeds, clips and stills combined with eye-catching transitions on portrait or landscape displays or projectors.



HEALTHCARE

Demand mission critical reliability from your video processor with high quality and low latency. Boost efficiency by adding source labels, audio meters and borders.



CONTROL ROOMS

Power your small control rooms using our real-time 4K performance for SDI, AV or IP. If you require more windows simply daisy-chain additional CORIOview's.



CORIOgrapher for CORIOview

Our proven CORIOgrapher design and control software makes installation, configuration and operation of your CORIOview a total breeze! CORIOgrapher has been optimized for multi-window operations and automatically adapts its appearance to your preset layout. It is touch-screen ready and resizes to whatever control device you choose!



CORIOview Family

Made to Order Options:

For optimal flexibility, you can choose a premium, customized CORIOview.

Choose your output module



Choose up to two input modules



Preconfigured options:

The CORIOview multi-window processor is also available in six off-the-shelf models.

MWP-4H-1Y - 4 x 1080p HDMI



MWP-4D-1Y - 4 x DVI-U



MWP-4Y-1Y - 4 x UHD 4K HDMI



MWP-8H-1Y - 8 x 1080p HDMI



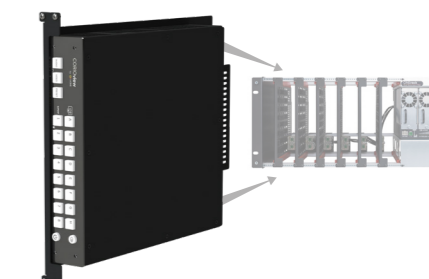
MWP-8GS-1Y - 8 x 3G-SDI



MWP-4Hi-1Y - 4 x 1080p HDMI & 2 x Streaming media & 4K playback



Mounting options:



ONerack module



Surface mount



Dual units 19" rack mount



Single unit 19" rack mount

Preset Selection



Audio controls

Input Properties

Properties (Hide)

A Laptop_1 (HDMI_2K 4-IN)

Common

Alias: Laptop_1

Input Name: Slot2In

Input Type: HDMI_2K 4-IN

Status: OK

Resolution: 1920x1080p60

HDCP: Off

Label

Enabled:

Text: Main_PC

Format: Source alias + Label text

Invert Colors:

H Align:

V Align:

Border Color: AceBlue

Border Width: 2

Input Settings

Input Type: HDMI

Color Scale: Auto

Src Loss Color: Blue

Brightness: 0

Contrast: 100

Input Crop: R: 0, B: 0

HDCP Enabled:

Dither:

EDID Filename: edid1080.edd

Audio Level: 0 dB

Mute Audio:

Border

Border Color: Yellow

Border Width: 2

Output Properties

Properties (Hide)

HDMI 4K 1-OUT

Common

Alias: Slot3

Resolution: 1920x1080p50

Fixed Name: Slot3.Out1

Card Type: HDMI 4K 1-OUT

HDMI: Found

HDCP Status: Active

Cut To Black: Off

Orientation: Landscape

General

Color Scale: Auto

Output Type: RGBHV

HDCP Mode: HoldOn

Color Correction

Gamma Red: 1.00

Gamma Green: 1.00

Gamma Blue: 1.00

Source Lock (shared per Slot3)

Mode: Off

Reference: NULL

Status: Off

Label Properties

Orientation

Landscape

Landscape

Portrait

Landscape (flipped)

Portrait (flipped)

Source Selection



Window Transitions

Cut to Black

Audio

Settings

Specifications

Video Processing	
Technology	CORIO ³
Performance	Inputs up to 4K60 & Output up to 4K30
Format conversion	Up/Down/Cross Conversion
Max. number of Windows	8
Windows	
Windows	Up to eight windows*
Borders	Configurable color & thickness
Labels	Available on all windows
Transitions	Available when changing sources or Presets
Presets	
Number of presets available	16*
Accessible from front panel	16*
Preset effects	Transitions, fade through black or window movement
Configuration & Control	
Application	CORIOgrapher software
Platform	PC with Windows 10 & Windows 7 minimum
Standby Mode	Faster boot up & saves power
Control Ports	
RS-232	D9 Female Connector
IP Interface	RJ45 Connector
USB	Type B - for future use
Video Inputs	
4H-1Y	
Input connectors	4 x HDMI - HDMI 1.4 & HDCP 1.4 compatibility
Resolution support (4:4:4)	480i, 576i - 24Hz to 60Hz 720p (1280x720) - 23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz 1035i (1920x1035) - 59.94, 60Hz HDMI-4in - 1080i 50, 59.94, 60Hz 1080p (1920x1080) - 23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz
Color format support	RGB, YCbCr 4:4:4, 4:2:2 & 4:2:0
Color depth	8 bpc (24 bit/px)
Color space support	BT.601 on standard resolutions BT.709 for 720p, 1080i, 1080p
8H-1Y	
Input connectors	8 x HDMI - HDMI 1.4 & HDCP 1.4 compatibility
Resolution support (4:4:4)	480i, 576i, 24Hz to 60Hz 720p (1280x720) - 23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz 1035i (1920x1035) - 59.94, 60Hz 1080i (1920x1080) - 50, 59.94, 60Hz 1080p (1920x1080) - 23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz
Color format support	RGB, YCbCr 4:4:4, 4:2:2 & 4:2:0
Color depth	8 bpc (24 bit/px)
Color space support	BT.601 on standard resolutions BT.709 for 720p, 1080i, 1080p
4Y-1Y	
Input connectors	4 x HDMI - HDMI 1.4 & HDCP 1.4 compatibility
Input maximum capability	Up to 2x 4K@30, 1x 4K@60 per module (2 modules)
Resolution support (4:4:4)	480i, 576i, 24 to 60Hz 720p (1280x720) - 23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz 1035i (1920x1035) - 59.94, 60Hz 1080i (1920x1080) - 50, 59.94, 60Hz 1080p (1920x1080) - 23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz 2160p (3840 x 2160) - 23.98, 24, 25, 29.97 & 30Hz 2160p (4096x2160) - 50/59.94/60Hz
Resolution support (4:2:0)	2160p (3840 x 2160) - 50, 59.94, 60Hz
Color format support	RGB, YCbCr 4:4:4, 4:2:2 & 4:2:0
Color depth	8 bpc (24 bit/px)
Color space support	BT.601 on standard resolutions BT.709 for 720p, 1080i, 1080p and 2160p
8GS-1Y	
Input connectors	8 x BNC
SDI support	3G-SDI 1080p 60/59.94 SMPTE424M-A 2.97/2.967Gbps < 0.3 UI jitter HD-SDI 720p, 1035i, 1080i (reduced quality with this because quad input is 4:2:0), 1080p SMPTE292M 1.485/1.4835Gbps < 0.2 UI jitter SD-SDI (526/625 lines) SMPTE259M-C 270Mbps < 0.1UI jitter
Color format support	SDI 4:2:2
Color depth	20 bit
4D-1Y	
Input connectors	4 on DVI-U connector - HDMI 1.4 & HDCP 1.4 compatibility
DVI-U Connector supports	HDMI, DVI-I, YC, CV, VGA via optional adapters
Resolution support (4:4:4)	480i, 576i - 23.98, 24, 25, 29.97, 30Hz, 50, 59.94, 60Hz 720p (1280x720) - 50, 59.94, 60Hz 1035i (1920x1035) - 59.94, 60Hz 1080i (1920x1080) - 50, 59.94, 60Hz 1080p (1920x1080) - 23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz
Analog Sync	TTL Level, 10KΩ, Pos or Neg
RGB Level Range	0.5-2.0 Vp-p
Scan Rate Detection	Automatic
Max Horizontal Scan Rate	150kHz
Color format support	Digital - RGB, YCbCr 4:4:4 & 4:2:2 Analog - RGBHV, RGBS, RGsB, YPbPr
Color depth	8 bpc (24 bit/px)
Color space support	BT.601 on standard resolutions BT.709 for 720p, 1080i, 1080p
Television Standards	NTSC, PAL

4Hi-1Y	
HDMI module	
Input connectors	4 x HDMI - HDMI 1.4 & HDCP 1.4 compatibility
Resolution support (4:4:4)	480i, 576i - 24Hz to 60Hz 720p (1280x720) - 23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz 1035i (1920x1035) - 59.94, 60Hz 1080i (1920x1080) - 50, 59.94, 60Hz 1080p (1920x1080) - 23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz
Color format support	RGB, YCbCr 4:4:4, 4:2:2 & 4:2:0
Color depth	8 bpc (24 bit/px)
Color space support	BT.601 on standard resolutions BT.709 for 720p, 1080i, 1080p
AVIP module	
IP Input connector	1 on RJ45 connector
Resolution support	Channel 1 : PC and HD resolutions up to 1920x1080p60 1920x1200p, 60cvt-rb 3840x2160p 30, 29.97, 25, 24, 23.98Hz 4096x2160p 30, 29.97, 25, 24, 23.98Hz Full scaling support for other resolutions. Channel 2 : 1920x1080p60 Full scaling support for other resolutions.
Interface	1Gb Ethernet port
Decoding	H.264 (CBP, Main, High)
Stream bit rates	2 Streams each 25Mbps
Streaming resolutions	Configurable up to 1080p60
Color depth	4:2:0
Unicast Streams	RTSP, RTMP, HTTP, MPEG-TS
Multicast Streams	RTSP, MPEG-TS
Media/Images	
Interfaces	USB 3.0, Internal Storage
Video Codecs	H.264 (CBP, Main, High)
Video Formats	mp4, .mov, .mkv, .m4v, .ts, .mts, .m2ts, .mt2
Playback Bit Rates	Single stream to 100Mbps, Dual Streams to 40Mbps
File Playback Resolutions Supported	
Up to 3480x2160@30fps	1
Up to 1080p60@60fps	Up to 2
Up to 7680 x 4320	Up to 2 (still images only)
Media Handling	
External	1 x USB 3.0 interface
Supported devices	Flash file systems FAT, FAT32, ext3, ext4, NTFS
Internal	High speed storage up to 128GB per module
Audio Inputs†	
Supported sampling rate	48KHz
Sample size	24 bits
Supported channels	1 Stereo pair on each input
†4H-1Y, 8H-1Y, 4D-1Y, 4Y-1Y, 8GS-1Y	
Audio Output	
Connector	RCA
Format	S/PDIF
Supported sampling rate	48KHz
Sample size	24 bits
Supported channels	1 Stereo pair
Video Output	
Output connector	HDMI
Landscape & Portrait Output	0°, 90°, 180°, 270°
Resolution support	720p, 1080i & 1080p @ 24Hz to 60Hz 3840 x 2160 @ 23.98Hz 24Hz, 25Hz, 29.97Hz & 30Hz
Chroma sampling	4:4:4
Scaling	All supported resolutions
Compatibility	HDMI 1.4 & HDCP 1.4
Color depth	8 bpc (24 bit/px)
Color space support	BT.709 for 720p, 1080i, 1080p and 2160p
Embedded Audio Output	
Supported sampling rate	48KHz
Sample size	24 bits
Supported channels	1 Stereo pair
Mechanical	
Size (H x W x D)	1.73" x 8.54" x 9.61" (44 x 217 x 244mm)
Weight	3.75 lbs (1.7 Kg) approximately
Regulatory Compliance	
Main unit	FCC, CE, RoHS, UL
Environmental	
Operating Temperature	0° to +40°C (+32° to +104°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
MTBF	50,000 Hours
BTU	205 BTU/hr
Fan Noise	44dBA @ 0.5m
Power Supply	
External	110v-240v 50-50Hz auto-detecting
Connector	Locking
Power cable	US, UK, EU or AU
Accessories included	
Quick Start Guide	Printed
USB Key	Documentation & Links
Power Supply	Included
Warranty	
Limited Warranty	5 Years Parts and Labor

* number of presets/windows depends on exact unit configuration
 Separate specification sheet available for made to order options (MTO)
 Specifications subject to change without notice

