



### OVERVIEW

CORIOview is the fastest, most intuitive 4K multi-window processor with up to 8 sources. This easy to use, plug and play solution features front panel control for preset recall or source selection. With six (6) product variants CORIOview can take in almost any input type and display it on a HDMI display up to 4K. Input types include: IP, HDMI, DVI-U and SDI

#### Preset Layouts

CORIOview has 16 different preset layouts giving users the ultimate freedom for displaying any number of sources in different sizes and locations on the display.

#### Transitions

When selecting window layouts or switching sources; transitions, such as fade through black or eye-catching motion transitions, provide a unique visual experience.

#### Labels & Borders

Sources can be labelled making them easily identified. Borders can be added to labels and video windows.

#### Front panel control

CORIOview's front panel is minimalist in its design and is easy to use. Users can activate preset layouts, route video and audio using the front panel. The Info button, a first in the AV industry, is an instant source of information displaying current source and window assignments.

#### Format conversion

CORIOview offers Up/Down/Cross conversion for the full range of analog and digital video signals using high quality CORIO scaling engines.

MWP-4H-1Y	4 x 1080p HDMIMX-6584
MWP-8H-1Y	8 x 1080p HDMI
MWP-4Y-1Y	4 x UHD 4K HDMI
MWP-4D-1Y	4 x DVI-U
MWP-8GS-1Y	8 x 3G-SDI
MWP-4Hi-1Y	4 x 1080p HDMI & 2 x Streaming media & 4K playback

#### Control Options

CORIOgrapher is tvONE's intuitive control software for configuration and operation of your CORIOview. Optimized for multi-window operations and touch screen control, CORIOgrapher functionality includes selecting preset layouts, labelling, bordering and configuring sources. Other options include a real-time API together with AMX & Crestron plug-ins.

#### Audio Embedding / De-embedding

Audio can be output through the display or the integrated S/PDIF port with any input able to be routed to any output.

#### Ultra-Quiet Operation

CORIOview is perfect for your in room install with its whisper quiet operation.

#### Mounting Options

A 1RU mounting kit is available for both single and dual units as well as a surface mount option for mounting on tables or walls. Or choose to install in your ONERack system with our customized CORIOview module.

### KEY FEATURES

- ◆ Advanced 4K processor with up to 8 sources
- ◆ ½RU form factor with ultra-quiet operation
- ◆ Intuitive Front Panel Control for presets and switching
- ◆ Mixed Input types including: IP, HDMI, DVI-U & SDI
- ◆ HDCP Handling on HDMI Inputs & Outputs
- ◆ Custom resolution editor for LED walls
- ◆ Eye-catching transitions or fade through black
- ◆ Source labelling and Borders
- ◆ Info button to easily indicate your source selection
- ◆ Audio breakaway from SPDIF or display
- ◆ CORIOgrapher touch enabled control software
- ◆ Third party control through API or AMX & Crestron plug-ins
- ◆ Available in six (6) variants
- ◆ 19" rack, surface or ONERack mounting options

# SPECIFICATIONS

Video Processing	
Technology	CORIO 3
Performance	4K@30 4:2:0 - 24 bit color depth
Maximum throughput	4 x UHQ or 8 x HD windows
Architecture	Parallel
Format conversion	Up/Down/Cross Conversion
Max. number of Windows	8
Audio	
Connector	RCA
Compatibility	S/PDIF Audio Output
Supported sampling rate	48KHz
Sample size	24 bits
Supported channels	1 Stereo pair
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
Presets location	Template library on CORIOgrapher
Configuration & Control	
Application	CORIOgrapher software
Platform	PC with Windows 10 Minimum
Standby Mode	Faster boot up & saves power
Control Ports	
RS-232	D9 Female Connector
IP Interface	RJ45 Connector
USB 3.0	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 - 50, 59.94, 60Hz 1080p (1920x1080) - 23.98, 24, 25, 29.97, 30Hz, 50, 59.94, 60Hz
Color format support	RGB, YCbCr 4:4:4 & 4:2:0
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
Color format support	SDI 4:2:2
Color depth	20 bit
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, 30Hz, 50, 59.94, 60Hz
Color format support	RGB, YCbCr 4:4:4 & 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	Dual 4K@30, Single 4K@60 on any input connector
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, 30Hz, 50, 59.94, 60Hz
Resolution support (4:2:0)	3840 x 2160, 23.98Hz 24Hz, 25Hz, 29.97Hz & 30Hz 4096x2160, 50/59.94/60Hz
Color format support	RGB, YCbCr 4:4:4 & 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 2.97/2.967Gbps < 0.3 UI jitter HD-SDI 720p, 1035i, 1080i, 1080p SMPTE292M 1.485/1.4835Gbps < 0.2 UI jitter SD-SDI (526/625 lines) SMPTE259M-C 270Mbps < 0.1UI jitter
Television Standards	NTSC, PAL
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
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, 30Hz, 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 & 4:2:0 Analog - RGBHV, RGsB, YPbPr
Color depth	8 bpc (24 bit/px)
Color space support	BT.601 on standard resolutions BT.709 for 720p, 1080i, 1080p
4Hi-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 1080i (1920x1080) - 50, 59.94, 60Hz 1080p (1920x1080) - 23.98, 24, 25, 29.97, 30Hz, 50, 59.94, 60Hz
Color format support	RGB, YCbCr 4:4:4 & 4:2:0
Color depth	8 bpc (24 bit/px)
Color space support	BT.601 on standard resolutions BT.709 for 720p, 1080i, 1080p
IP Input	1 on RJ45 connector
Interface	1Gb Ethernet port
Decoding	H.264 (CBP, Main, High) H.265/HEVC1 (Main)
Stream bit rates	2 Streams each 25Mbps
Supported resolutions	Configurable up to 1080p60
Color depth	4:2:0, 4:2:2
Unicast Streams	RTSP, RTMP, HTTP, MPEG-TS
Multicast Streams	RTSP, MPEG-TS
Media/Images	
Interfaces	USB 3.0, Internal Storage or Network
Video Codecs	H.264 (CBP, Main, High), H.265/HEVC1 (Main)
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	Up to 2
Up to 1080p60@60fps	Up to 2
Up to 7680 x 4320	Up to 2 (still images only)
Media Handling	
External	1x USB 3.0 interface
Supported devices	Flash file systems FAT, FAT32, ext3, ext4, NTFS
Internal	High speed storage up to 128GB per module
Remote	File transfer supported
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	
Video Output	
Output connector	HDMI
Resolution support	480i, 576i, 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.601 on standard resolutions 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

\*Specifications subject to change without notice