Make the most of your visual space

CORIO®view™

The 4K multi-window viewer redefined

OVERVIEW

CORIO**view** 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 CORIO**view** 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
CORIO**view** 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
CORIO**view**'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
CORIO**view** 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 HDMI
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 CORIO**view**. Optimized for multi-window operations and touch screen control, **CORIO**grapher 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
CORIO**view** 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 ONE**rack** system with our customized CORIO**view** module.

KEY FEATURES

- Advanced 4K processor with up to 8 sources
- ½ RU 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 S/PDIF or display
- **CORIO**grapher touch enabled control software
- Third party control through API or AMX & Crestron plug-ins
- Available in six (6) variants
- 19" rack, surface or ONE**rack** mounting options

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 100Mbs, Dual Streams to 40Mbs

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
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

Specifications subject to change without notice

tvONE®
We Engineer Confidence®