

The all-in-one video processor with more pixels than you'll ever need.

CORIOmaster²

Industry leading
4K/8K performance



CORIOmaster²

Captivate your audience with the most powerful video processor on the planet!
Create the ultimate 4K60 video experiences for your high-profile LED installations,
projection edge blends or monitor walls.



The Video Processor Redefined

Truly massive video design canvases allow for unbridled creativity with more 4K60 windows than you ever imagined possible.



- **Huge 12 Gigapixel Design Canvas**
Seamlessly manage multiple walls from a single chassis.
- **Go large and creative**
360° rotation and up to 56 displays with high bandwidth outputs.
- **Multi-user control options**
Choose from CORIOgrapher software, 3rd party control or button panel.
- **Up to 128 video windows**
Up to 64 windows per canvas with 128 windows for the total system.
- **Synchronized playback**
Create eye-catching visuals with multi-screen media playback.
- **Easy 8K source management**
Quad 4K workflows for source input and display output.

CORIOmaster / CORIOmaster²

CORIOmaster2 is the most powerful member of the award winning CORIOmaster family. With higher resolutions becoming the standard requirement in many installs, CORIOmaster2 has been designed from the ground up to give massive performance gains.

10x MORE WINDOWS

4K60 4:4:4 WORKFLOWS

8K READY

Powerful



Unparalleled Performance

Simultaneously display up to 40 windows in 4K60 with normally one frame of latency.



Smart Design

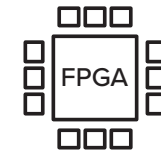
Future-proofed design to grow with you and featuring a striking front panel that will stand out in any rack!



Extreme Reliability

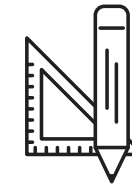
5-year warranty and optional dual redundant PSU's - it's easy to see why we are trusted by professionals.

Creative



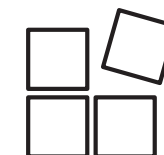
CORIO Video Processing

Proprietary FPGA technology optimized for 4K60, 4:4:4 outputs and is 8K ready.



Design Flexibility

Create mosaics, square walls, expansive edge blends and power your LED walls with pixel-perfect performance.



Modular Platform

Flexible architecture accepts digital, IP, broadcast and legacy AV inputs to exceed requirements.

Simple



Simple to Configure

Intuitive and versatile, software - perfect for powerful creative design and control.



Independent Canvases

12 Gigapixels of design canvas allows three independent working areas for multiple walls.



Secure Comms

Keep your information safe with HTTPS SSL connectivity and AES IP decodes. Also experience RESTful multi-user control with remote monitoring.

911 Emergency Operations Center Peoria, Illinois



| Education



- Assured communication**
 HTTPS & RESTful API control using software, button panels or 3rd party solutions.
- Flexible display choice**
 Deploy LED, edge-blended projectors or display panels. Control multiple walls from a single system.
- Low cost of ownership**
 Low power consumption when compared to competitor systems that are based on PC architecture.
- IP Stream connectivity**
 Low latency H.264 and H.265 IP with mixed feed playlist carousels.
- Ultra-reliable**
 tvONE exclusive design and manufacturing with a 5-year warranty.
- Demand lip sync perfection**
 Best-in-class latency for video and IP sources.

Ease of Control

Control options include CORIOgrapher software, CORIOmaster app, a Crestron plug-in or our control button panel.

Also, create custom control environments using our real-time RESTful API.



| Corporate

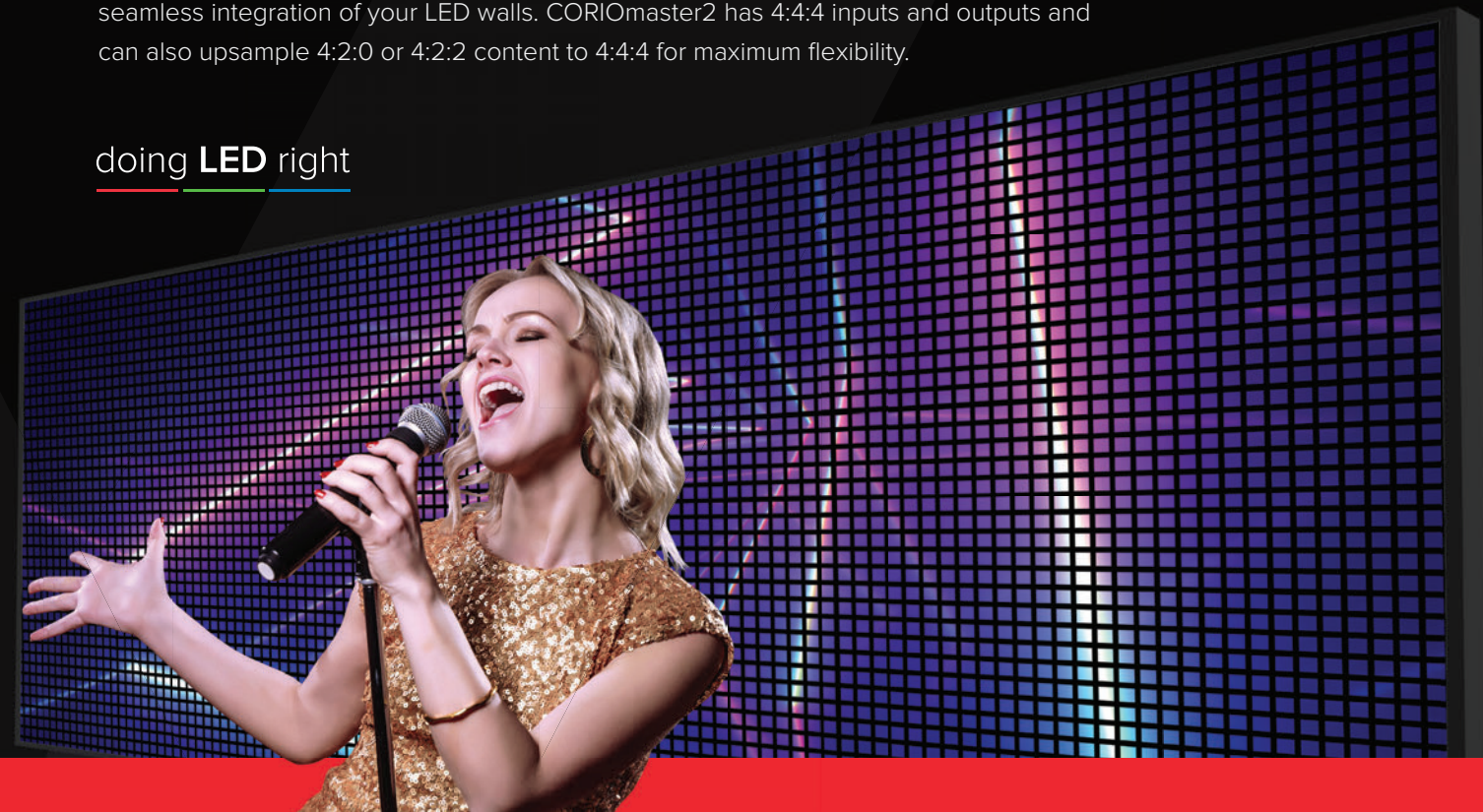


- See every detail**
 Seamless 8K workflows when every detail matters with quad 4K60 windowing.
- Mix and match**
 Source choices include: IP decoding, digital AV, broadcast, legacy AV or a media player for 4K video and stills.
- Take control**
 Multi-user control options include software, 3rd party controllers or our button panel.
- Engage the team**
 Eye-catching transitions and animations or seamless video switching.
- Make it sing**
 Embedded audio from source to display or choose external breakout for hook up to external systems.
- CORIO inside**
 The best up, down and cross conversion in the industry!

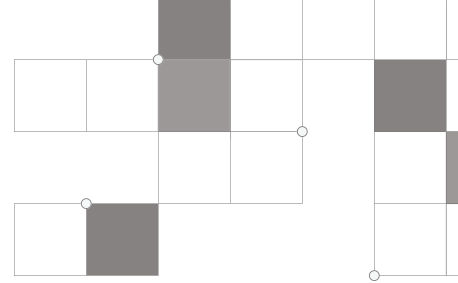
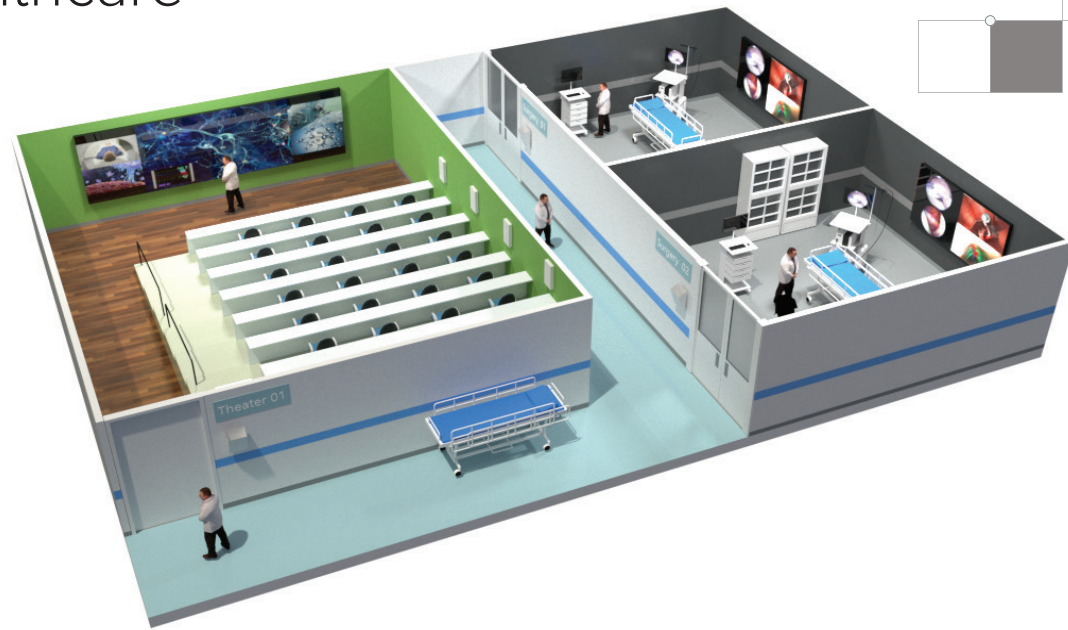
4:4:4 Output Performance

Manage your video chroma subsampling and custom resolutions via CORIOgrapher for simple, seamless integration of your LED walls. CORIOmaster2 has 4:4:4 inputs and outputs and can also upsample 4:2:0 or 4:2:2 content to 4:4:4 for maximum flexibility.

doing **LED** right



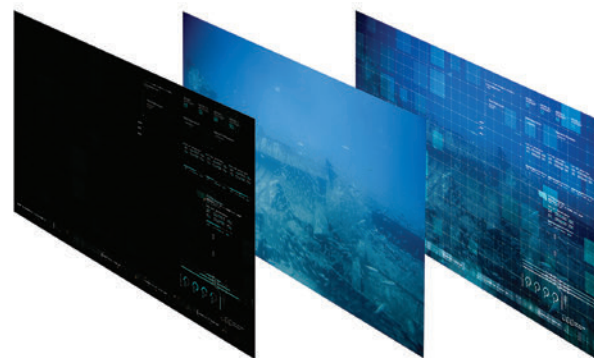
Healthcare



- **Demand ultra low latency video**
Best-in-class latency for video and IP sources.
- **Experience life-like color**
4K60 4:4:4 inputs and outputs. Even with 4:2:0 and 4:2:2 sources.
- **CORIO® inside**
The best up/down and cross conversion in the industry!
- **See every detail**
8K workflows when every detail matters with quad 4K60 windowing.
- **Assured communication**
HTTPS & RESTful API using software, button panels or 3rd party solutions.
- **Ultra-reliable**
tvONE exclusive design and manufacturing with a 5-year warranty.

Boost Engagement with Information Overlays

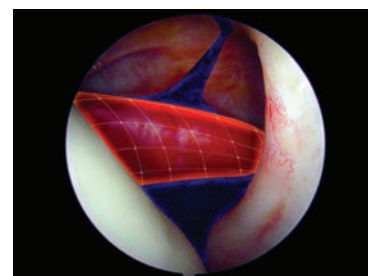
Add visual interest or graphical information overlays to full motion, low latency video. Any CORIOmaster2 output can have luma keying applied in real-time with accurately definable values together with selectable softness to help blend an anti-aliased source with the background image.



Add icons to control walls



Data overlays for Government



Medical route guidance

Broadcast



- **Lifelike video**
High bandwidth processing for immersive 4K60 4:4:4 performance.
- **Mix and match**
Full support for IP, digital AV, broadcast and legacy AV sources.
- **CORIO® inside**
The best up, down and cross conversion in the industry!
- **Be creative**
Unlimited 360° source and display rotation and up to 56 outputs.
- **Simple control**
Multi-user control options include software, app, 3rd party controllers or our button panel.
- **Synchronize your videowall**
Lock to any input to remove conversion artifacts.

Synchronized Playback for Ultra-Wide Canvases!

The streaming media and 4K playback input module can now simultaneously play up to eight reliable, synchronized media clips onto ultra-wide video canvasses. This allows you to get creative and go beyond 4K resolutions to inform, boost revenues and multi-purpose your installations. Additionally, use our FTP integration tools to introduce more efficient workflows.



redefine what's possible

Esports

- Go large**
 Manage multiple walls from a single chassis.
- Go large and creative**
 360° source and display rotation and up to 56 displays.
- Every detail matters**
 Support for 8K workflows with quad 4K60 windowing.
- Eye-catching transitions**
 Window movement and source switching transitions.
- Doing LED right**
 Pixel perfect installations.
- Ultra-reliable**
 tvONE exclusive design and manufacturing with extreme reliability and 5-year warranty.



Smart Dynamic Windows for Visual Impact

CORIOmaster2 windows are a highly flexible video layers that can be independently positioned, layered and have a transition applied.

For maximum flexibility, display up to 128 video windows on screen at the same time. Freely position and layer sources anywhere on our design canvases.

Your favorite window layouts can be saved as system presets for quick recall and then brought to life using our eye-catching transitions.

Live Events

- CORIO® inside**
 The best up, down and cross conversion in the industry!
- Mix and match**
 Full support for low latency IP, digital AV, broadcast and legacy AV sources.
- Demand lip sync perfection**
 Best-in-class video latency for video and IP sources.
- Future proof your investment**
 Modular platform and field upgradeable software.
- Experience life-like color**
 4K60 4:4:4 output performance even with 4:2:0 and 4:2:2 sources.
- Synchronize your world**
 Synchronise your wall sources to prevent image tearing.



Best-in-Class Scaling and Format Conversion

Experience industry leading scaling for HD, 4K and 8K sources with CORIO®, our proprietary technology CORIOmaster2 processes the equivalent of over 1 trillion video matrix calculations per second with 1 to 2 frames of signal delay from input to output, guaranteeing the highest quality video possible with no visible lag.



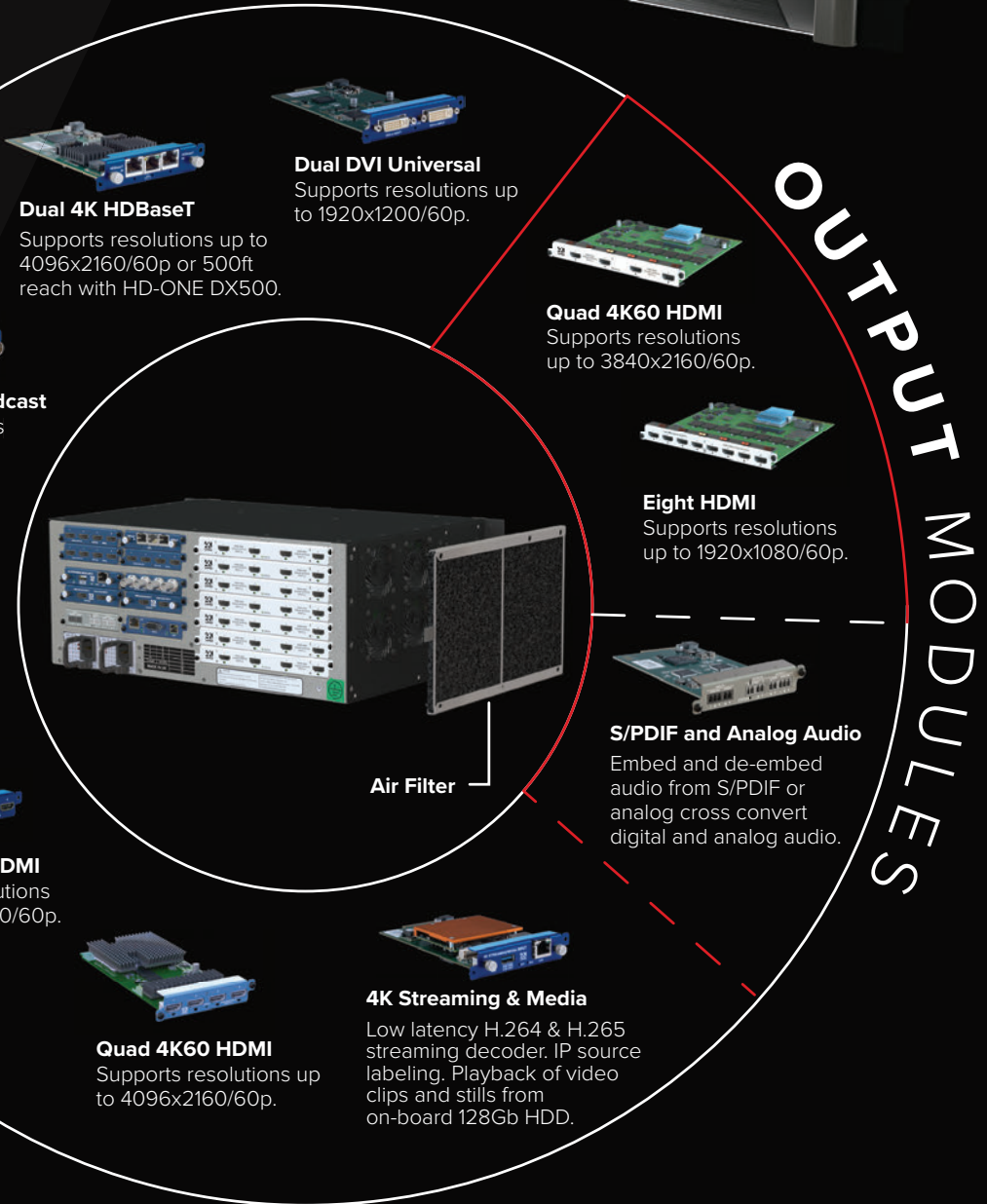
Chassis

CORIOmaster2 is the modular and field-upgradeable solution to future proof your investment.



INPUT MODULES

OUTPUT MODULES



Dual 4K HDBaseT
Supports resolutions up to 4096x2160/60p or 500ft reach with HD-ONE DX500.

Dual DVI Universal
Supports resolutions up to 1920x1200/60p.

Quad 4K60 HDMI
Supports resolutions up to 3840x2160/60p.

Quad 3G-SDI Broadcast
Supports resolutions up to 3G-SDI (1080/60p) versions.

Eight HDMI
Supports resolutions up to 1920x1080/60p.

Dual 4K HDMI
Supports resolutions up to 4096x2160/60p.

S/PDIF and Analog Audio
Embed and de-embed audio from S/PDIF or analog cross convert digital and analog audio.

Quad 1080p HDMI
Supports resolutions up to 1920x1080/60p.

4K Streaming & Media
Low latency H.264 & H.265 streaming decoder. IP source labeling. Playback of video clips and stills from on-board 128Gb HDD.

Quad 4K60 HDMI
Supports resolutions up to 4096x2160/60p.

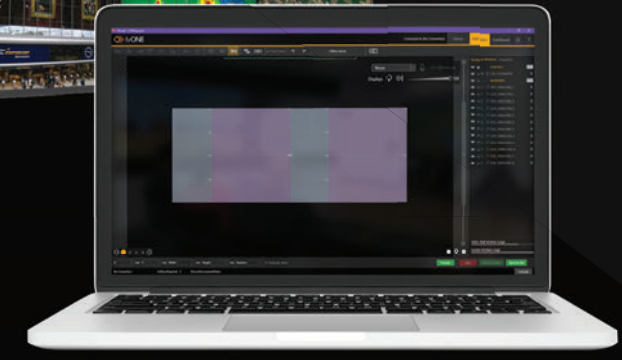
Air Filter

ADAPTORS

For use with legacy AV formats



EASY YET
POWERFUL
SETUP



CORIOgrapher

Our creative video wall software allows ultra-quick video wall set up working in either online or offline modes. Resize and move sources, control media clips or IP streams and control your entire visual experience using presets or our dashboard interface.

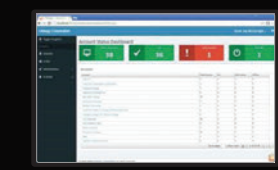
Control

Other options for real-time control include Apps. Control panels or 3rd party control linking to our open source, real-time API.



tvONE CORIOmaster App

- Available for IOS & Android
- Select custom presets
- Switch sources



Infrastructure Control Solutions

- Control any API level function
- API available at api.tvone.com



Automation Control Solutions

- Control any API level function
- API available at api.tvone.com
- Plug-ins for Crestron

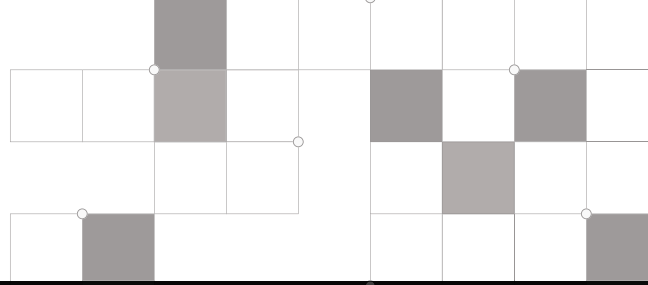


tvONE Hardware Control Panel

- Control any API level function
- US form factor
- Supports up to 128 commands

CORIOmaster2

Accessorize your CORIOmaster²



Companion Products

IP Encoding	H.264 encoding Magenta encoder 100					
HDMI Extension	HDMI 2.0 Fiber Magenta MG-FB-61x		HDMI 2.0 Active Optical MG-AOC-66x series		HDMI over HDBaseT HD-One series	
Pre-input Multi Windowing	IP, HDMI, HDBaseT & 3G-SDI CORIOview series		HDMI / DVI / VGA C2-6104		3G-SDI / HD-SDI / SDI C2-6104A	
HDMI Matrix Solutions	Universal matrix CORIOmatrix		Scaling matrix router CORIOmatrix mini			
HDMI Distribution	Splitter MG-DA-612		4 Port DA MG-DA-614		8 Port DA MG-DA-618	
Accessory Rack Mounting & Power	Universal racking, powering & cooling ONErack		Multi-Voltage DC PSU strip ONErack Spider		Multi-Voltage DC rack mountable PSU ONErack Spider	
Hippotizer Media Server	8K Playback at 60FPS. 4x DP 1.2 outputs. Tierra+ MK2		2x DP 1.2 or 2x HDMI. 4K playback Karst+ MK2		1x DP 1.2 output, NDI capture and EDID Management Nevis+	

CORIOmaster² is the newest member of our video processing family that meets every application, I/O count and budget.



CORIOmaster²

Optimized for 4K60 environments and is 8K ready. Display up to 40 4K video sources with no visible latency and up to 56 outputs.



CORIOmaster

Powerful stand-alone video wall processor for expansive 1080p installations which can also display up to 5 4K video sources and up to 56 outputs.



CORIOmaster mini

Compact form factor solution for smaller 1080p solutions with the ability to add 2 4K video sources and up to 10 outputs.



CORIOmaster micro

Ultra-compact processor for up to four outputs with 1080p environments with some 4K connectivity.

Toll Free: 800-721-4044

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