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

CORIO\textsuperscript{master}2

Industry leading 4K/8K performance

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 canvasses allow for unbridled creativity with more 4K60 windows than you ever imagined possible.

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.

- **Huge 12 Gigapixel Design Canvas**
  Seamlessly manage multiple walls from a single chassis.

- **Up to 128 video windows**
  Up to 64 windows per canvas with 128 windows for the total system.

- **Go large and creative**
  "360°" rotation and up to 56 displays with high bandwidth output.

- **Synchronized playback**
  Create eye-catching visuals with multi-screen media playback.

- **Multi-user control options**
  Choose from CORIOgrapher software, 3rd party control or button panel.

- **Easy 8K source management**
  Quad 4K workflows for source input and display output.

CORIOmaster2 is 10x more powerful than its predecessor CORIOmaster.

**10x MORE WINDOWS**

**4K60 4:4:4 WORKFLOWS**

**8K READY**
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.

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.

Low cost of ownership
Low power consumption when compared to competitor systems that are based on PC architecture.

Demand lip sync perfection
Best-in-class latency for video and IP sources.

Mix and match
Source choices include: IP decoding, digital AV, broadcast, legacy AV or a media player for 4K video and stills.

Ultra-reliable
tvONE exclusive design and manufacturing with a 5-year warranty.

Take control
Multi-user control options include software, 3rd party controllers or our button panel.

CORIO inside
The best up, down and cross conversion in the industry!

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.

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.
### Healthcare

- **Demand ultra low latency video**
  Best-in-class latency for video and IP sources.

- **See every detail**
  8K workflows when every detail matters with quad 4K60 windowing.

- **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!

- **Assured communication**
  HTTPS & RESTful API using software, button panels or 3rd party solutions.

- **Ultra-reliable**
  tONE exclusive design and manufacturing with a 5-year warranty.

- **Be creative**
  Unlimited 360° source and display rotation and up to 56 outputs.

- **See every detail**
  8K workflows when every detail matters with quad 4K60 windowing.

- **Mix and match**
  Full support for IP, digital AV, broadcast and legacy AV sources.

- **Experience life-like color**
  4K60 4:4:4 inputs and outputs. Even with 4:2:0 and 4:2:2 sources.

- **Simple control**
  Multi-user control options include software, app, 3rd party controllers or our button panel.

- **CORIO® inside**
  The best up, down and cross conversion in the industry!

- **Synchronize your videowall**
  Lock to any input to remove conversion artifacts.

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### Broadcast

- **Lifelike video**
  High bandwidth processing for immersive 4K60 4:4:4 performance.

- **Be creative**
  Unlimited 360° source and display rotation and up to 56 outputs.

- **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!

- **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.

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**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

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**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.

- add multiple source windows
- real-time luma keying
- up to 8 sources
**Live Events**

- **CORIO inside**
  The best up, down and cross conversion in the industry!

- **Future proof your investment**
  Modular platform and field upgradeable software.

- **Demand lip-sync perfection**
  Best-in-class video latency for video and IP sources.

- **Mix and match**
  Full support for low latency IP, digital AV, broadcast and legacy AV sources.

- **Experience life-like color**
  4K60 4:4:4 output performance even with 4:2:0 and 4:2:2 sources.

- **Synchronize your world**
  Synchronize your wall sources to prevent image tearing.

- **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.

**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**

CORIO*master2* 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.*
Chassis

CORIoMaster2 is the modular and field-upgradeable solution to future proof your investment.

HDMI CV Analog PC YC (S-Video) Analog RGBHV YPbPr/YUV

4K Streaming & Media
Low latency H.264 & H.265 streaming encoder / decoder labeling. Playbacks of video clips and stills from on-board 128Gb SSD.

Dual 4K HDMI
Supports resolutions up to 3840x2160/60p.

Quad 4K60 HDMI
Supports resolutions up to 1920x2000/60p.

Quad 4K50 Broadcast
Supports resolutions up to 4096x2160/60p versions.

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

Dual 4K60 HDMI
Supports resolutions up to 1920x2000/60p.

Dual DVI Universal
Supports resolutions up to 1920x2000/60p.

Air Filter

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

Eight HDMI
Supports resolutions up to 3840x2160/60p.

Quad 4K60 HDMI
Supports resolutions up to 1920x2000/60p.

4K Streaming & Media

CORIoMaster2

ADAPTORS
For use with legacy AV formats

HDMI CV Analog PC YC (S-Video) Analog RGBHV YPbPr/YUV

CORIoMaster2 Adapters

OPLE OUTPIUT MODULES

INPUT MODULES

OUTPUT MODULES

Easy Yet Powerful Setup

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

Infrastructural Control Solutions
• Control any API level function
• API available at api.tvone.com

Automation Control Solutions
• Control any API level function
• US form factor
• Supports up to 128 commands

tvONE Hardware Control Panel
• Control any API level function
• US form factor
• Supports up to 128 commands
**Companion Products**

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**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.