CORIO[®] master & CORIO[®] master mini

All-In-One Creative Videowall Processors





CORIOmaster & CORIOmaster mini

All-In-One Creative Videowall Processors

The C3-540 CORIOmaster and C3-510 CORIOmaster mini offer a new, more efficient approach to building video display arrays. tvONE's CORIO®3 technology gives designers and users access to unexplored realms of video processing power. CORIOmaster delivers true power to the technical and imaginative minds driving today's stunning creative and dynamic videowall exhibits.

CORIO3 video processing technology makes the designing of creative and powerful video display systems an entirely visual experience. With tvONE's CORIO grapher software, a PC is used to design a virtual wall of displays and/or projection screens that can be positioned at any angle or orientation, and multiple projector edge blending is even supported. Then it's a freeform process of creating a Canvas over the virtual displays by sizing, shaping, rotating and positioning each source as required. CORIOmaster manages up to four display canvases simultaneously, and sources can be shared between the canvases.

Using edge blending & bezel compensation, monitor walls and multiple projectors can seamlessly many combinations of inputs by setting up one or more sources that span across the displays. To further assist creative flexibility in the design, windows can be positioned, resized and rotated in 1° increments up to 360° on the Canvas, which is then sent to the videowall.

Using preview windows it is possible to dedicate one canvas as a multiviewer to display all the video sources on a single monitor for previewing during live events or to use as a source status monitor in various types of installations.

CORIOmaster is incredibly versatile and can be specified in most applications without fear of incompatibility. Nearly any video signal type can be input into the system and then scaled or converted to nearly any other signal type for output. External format conversion and scaling is unnecessary, so installation is clean and simple.

New in 2015 is the ability to move live video windows seamlessly with source transitions and the added resolution editor for custom resolutions.

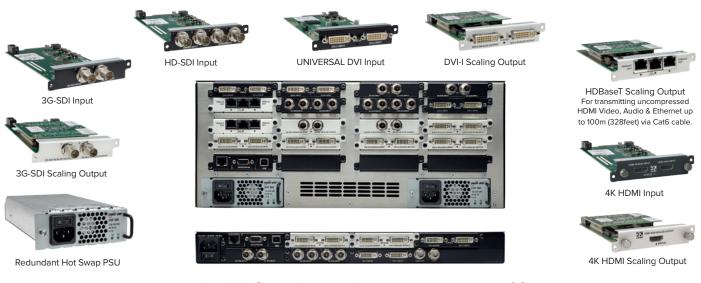
The transition feature initially allows movement of source windows between presets with time duration adjustment by the user for each preset. Source changes by moving windows or static windows is also possible by live switching or via presets. Source effects include fade through black, horizontal shrink and expand, vertical shrink and expand and source spin with one or more effects applied at the same time to each source window. Source transitions are selectable per window on the canvas.

The new resolution editor allows for custom resolutions to be created and uploaded into the unit to be used as input or output resolutions. New resolutions can be created through the unit's API commands for each output or created by using the updated CORIOdiscover app on initial system installation and then selected by the user for each output and auto detected as an input resolution.

The CORIOmaster provides high powered performance but is low on power consumption. In comparison to traditional video systems performing the same tasks may consume as much as ten times the energy.

Modular Flexibility

The CORIOmaster can accommodate numerous I/O configurations in the 16 Universal video slots available, when inserted the modules are automatically recognized & configured. This flexibility allows end user configurations to be based on their own needs. Additional input & output modules for 3G-SDI, HD-SDI, UNIVERSAL DVI, DVI-I and HDBaseT are available.



UNIVERSAL DVI - The Universal I/O

The UNVERSAL DVI interface for the input module utilizes a single DVI-I connector to provide the following signal formats: HDMI, DVI-D, plus analog YUV, YPbPr, RGBHV, RGBS, RGsB, Y/C & Composite Video for all inputs. The DVI-I scalable outputs are selectable at virtually any PC or HDTV resolution







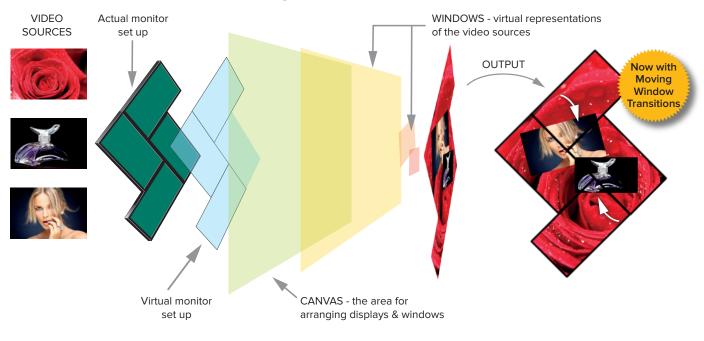


HDMI adapter

Analog PC adapter CV adapter

YC (S-Video) adapters

Image Canvas Control



CORIOgrapher

CORIOgrapher is the new CORIO**master**'s control software that allows the user to create up to 4 different Canvases; a graphical representation of the physical display(s), to define each display, its size, position & rotation. Projectors and monitors can be mixed into one canvas. The canvas is a virtual work area within the **CORIO**grapher software to position live video windows. Video source windows can be sized, positioned, rotated and window transitions saved in each preset along with window source transitions, all configured easily on the canvas. These setups can be stored as Presets for future usage. The creation of transitions for windows and sources are also set using the **CORIO**grapher control software.



esol	utior	ns								
0 at	O cur IO	stom only Name	Width	Height	Frame Rate	Pixel Clock	Actions		Detailed Inf	formation
54	10	1920x1080p24	1920	1080	24.000	74.25	Сору		Name:	640x480p60
55	10	1920x1080p25	1920	1080	25.000	74.25	Сору		Scan type:	p CEA ID: 1
56	10	1920x1080p29.97	1920	1080	29.970	74.18	Сору		Pixel Clock	25.18 MHz Factor: 1000
57	10	1920x1080p30	1920	1080	30.000	74.25	Сору			Horizontal Vertical
58	10	1920x1080p50	1920	1080	50.000	148.50	Сору		Total pixels:	800 525
59	10	1920x1080p59.94	1920	1080	59.940	148.35	Сору		Active poiels:	640 480
70	10	1920x1080p60	1920	1080	60.000	148.50	Сару		Front Porch (p	sixels): 16 10
71	10	1920x1200p50cvt+rb	1920	1200	49.974	127.75	Сору		Sync Pulse (pi	xels): 96 2
72	10	1920x1200p60cvt+rb	1920	1200	59.950	154.00	Сору		Back Porch	0000demaer/20026112
1000	10	*640x480 59Hz CE01	640	480	59.941	25.18	Copy Edit	Reset	Polarity:	CONCONCINE (EXCLUSIO)
1001	10	*Empty2	0	0	NaN	0.00	Copy Edit	Reset	Frequency:	Discovered COROmax devices 😂
1002	10	*Empty3	0	0	NaN	0.00	Copy Edit	Reset		10.1.3.222 > CORIOmatrix
1003	10	*Empty4	0	0	NaN	0.00	Copy Edit	Reset		F CONDIMINATION IP 10.1.3.222, S/N 000000000000
1004	10	"Empty5	0	0	NaN	0.00	Copy Edit	Reset		
1005	10	*Empty6	0	0	NaN	0.00	Copy Edit	Reset		
1006	10	*Empty7	0	0	NaN	0.00	Copy Edit	Reset		
1007	10	*Empty&	0	0	NaN	0.00	Copy Edit	Bernt		
1008	10	*Empty9	0	0	NaN	0.00	Copy Edit	Reset		
1009	10	*Emoty10	0	0	NaN	0.00	Copy Edit	Reset		

CORIOdiscover

The new app allows the user to log into a unit to update the firmware, change communications settings and create new custom resolutions that can be used as an input or output resolution. This app runs independently of **CORIO**grapher to aid in initial setup of the unit during installation. Communication and firmware updates can also be made through **CORIO**grapher.



Up to 4 simultaneous Canvas outputs with Windows (PIP's) each capable of rotation.

Video Processing Power

360° output rotation in 1° increments Transitions - rotate, scale, fade through black and slide between sources

Video CORIOgraphy Design Possibilities

LIVE EVENT

Stage monitoring • Edgeblending with side projectors

VIDEO WALLS

Number of displays determined by number of outputs

Rotation of individual monitors possible

COMMAND & CONTROL • Monitoring of various video sources & formats HOSPITAL/HEALTHCARE • Distribution with Windowing to theatres or other locations • Status display of video equipment in use

Specifications

Parallel Processing Architecture Yes CORIO® Video Processing Yes Real Time Video Quality < 2 frame signal delay from input to output Up/Down/Cross Conversion Built-in Video Walls & Canvas Number of Videowalls 4 Display Size Compensation Yes, different size displays in Videowalls Rotation Yes for any outputs & windows. Edge Blending Yes HDCP Key Handling Yes Standard Computer Inputs Up to 28 (HDMI & HDCP compliant) High Density 1 Universal DVI (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density 2 Analog Format RGBHV, RGBS, RGsB, YPbPr Analog Sync TTL Level, 10KQ, Pos or Neg RGB Level Range 0.5-2.0 Vp-p Scan Rate Detection Automatic Analog Signals PC to 1920x1080, HDTV to 1080/60p w/EDID Max Horiz Scan Rate 150kHz Standard Computer Outputs Up to 28 (HDMI & HDCP compliant) High Density 1 UP to 10 (HDMI & HDCP compliant) High Density 2 Analog format RGBHV, RGBS, RGsB, YPbPr R-6-8 Level 0.7 Vp-p DVI Signals PC to 1	Video Processing Power						
Real Time Video Quality < 2 frame signal delay from input to output	Parrallel Processing Architecture	Yes					
Up/Down/Cross Conversion Built-in Video Walls & Canvas Number of Videowalls 4 Display Size Compensation Yes, different size displays in Videowalls Rotation Yes for any outputs & windows. Edge Blending Yes Standard Computer Inputs Up to 28 (HDMI & HDCP compliant) High Density 1 Universal DVI (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density 2 Analog Format RGBHV, RGBS, RGsB, YPbPr Analog Sync TTL Level, 10KQ, Pos or Neg RGB Level Range 0.5-2.0 Vp-p Scan Rate Detection Automatic Analog Signals PC to 1920x1080, HDTV to 1080/60p w/EDID Max Horiz Scan Rate 150kHz Standard Computer Outputs Up to 28 (HDMI & HDCP compliant) High Density 1 DVI I (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density 2 Analog format RGBHV, RGBS, RGsB, YPbPr R-G-B Level 0.7 Vp-p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1080, HDTV to 1080/60p w/EDID Standard Computer Outputs Up to 10 28 (HDMI & HDCP compliant) High Density 2 Analog Signals <t< td=""><td>CORIO[®] Video Processing</td><td>Yes</td></t<>	CORIO [®] Video Processing	Yes					
Video Walls & Canvas Number of Videowalls 4 Display Size Compensation Yes, different size displays in Videowalls Rotation Yes for any outputs & windows. Edge Blending Yes HDCP Key Handling Yes Standard Computer Inputs Up to 28 (HDMI & HDCP compliant) High Density 1 Universal DVI (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density 2 Analog Format RGBHV, RGBS, RGsB, YPbPr Analog Sync TTL Level, 10KQ, Pos or Neg RGB Level Range 0.5-2.0 Vp-p Scan Rate Detection Automatic Analog Signals PC to 1920x1200, HDTV to 1080/60p DVI signals PC to 1920x1200, HDTV to 1080/60p w/EDID Max Horiz Scan Rate 150kHz Standard Computer Outputs DVI-I (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 2 Analog format RGBHV, RGBS, RGSB, YPbPr R-G-B Level 0.7 Vp-p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1200, HDTV to 1080/60p <t< td=""><td>Real Time Video Quality</td><td>< 2 frame signal delay from input to output</td></t<>	Real Time Video Quality	< 2 frame signal delay from input to output					
Number of Videowalls 4 Display Size Compensation Yes, different size displays in Videowalls Rotation Yes for any outputs & windows. Edge Blending Yes Standard Computer Inputs Video 28 (HDMI & HDCP compliant) High Density 1 Universal DVI (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 1 Analog Format RGBHV, RGBS, RGsB, YPbPr Analog Sync TTL Level, 10KΩ, Pos or Neg RGB Level Range 0.5-2.0 Vp-p Scan Rate Detection Automatic Analog Signals PC to 1920x1080, HDTV to 1080/60p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Max Horiz Scan Rate 150kHz Standard Computer Outputs DVI-1 (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 2 Analog format RGBHV, RGBS, RGSB, YPbPr R-G-B Level 0.7 Vp-p DVI I (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density 2 Analog Signals PC to 1920x1200, HDTV to 1080/60p w/	Up/Down/Cross Conversion	Built-in					
Display Size CompensationYes, different size displays in VideowallsRotationYes for any outputs & windows.Edge BlendingYesHDCP Key HandlingYesStandard Computer InputsUniversal DVI (Analog & Digital)Up to 28 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 2Analog FormatRGBHV, RGBS, RGSB, YPbPrAnalog SyncTTL Level, 10KQ, Pos or NegRGB Level Range0.5-2.0 Vp-pScan Rate DetectionAutomaticAnalog SignalsPC to 1920x1080, HDTV to 1080/60pDVI SignalsPC to 1920x1080, HDTV to 1080/60p w/EDIDMax Horiz Scan Rate150kHzStandard Computer OutputsUp to 28 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 2Analog formatRGBHV, RGBS, RGSB, YPbPrR-G-B Level0.7 Vp-pDVI SignalsPC to 1920x1200, HDTV to 1080/60p w/EDIDAnalog SignalsPC to 1920x1200, HDTV to 1080/60p w/EDIDAnalog SignalsPC to 1920x1200, HDTV to 1080/60pSize and PositionUser AdjustableSettings MemoryNon-VolatileConversion TechnologyProprietary - CORIO®3ColorRGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0Max. Sampling Rate162MHzFirmware MemoryUpgradeable via download.Video Comb FilterAdaptiveVideo Comb FilterAdaptiveVideo Comb FilterAdaptiveVideo Comb FilterAdaptiveVideo Comb FilterAdaptiveVideo Comb F	Video Walls & Canvas						
RotationYes for any outputs & windows.Edge BlendingYesHDCP Key HandlingYesStandard Computer InputsUniversal DVI (Analog & Digital)Up to 28 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 2Analog FormatRGBHV, RGES, RGS, RYPPrAnalog SyncTTL Level, 10KQ, Pos or NegRGB Level Range0.5-2.0 Vp-pScan Rate DetectionAutomaticAnalog SignalsPC to 1920x1080, HDTV to 1080/60pDVI SignalsPC to 1920x1080, HDTV to 1080/60p w/EDIDMax Horiz Scan Rate150kHzStandard Computer OutputsDVI-I (Analog & Digital)Up to 28 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 2Analog formatRGBHV, RGBS, RGSB, YPbPrR-G-B Level0.7 Vp-pDVI SignalsPC to 1920x1080, HDTV to 1080/60p w/EDIDAnalog SignalsPC to 1920x1080, HDTV to 1080/60pSize and PositionUser AdjustableSettings MemoryNon-VolatileConversion TechnologyProprietary – CORIO®3ColorRGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0Max. Sampling Rate162MHzFirmware MemoryUpgradeable via download.Video Comb FilterAdaptiveVideo Comb FilterAdaptive </td <td>Number of Videowalls</td> <td>4</td>	Number of Videowalls	4					
Edge BlendingYesHDCP Key HandlingYesStandard Computer InputsUniversal DVI (Analog & Digital)Up to 28 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 2Analog FormatRGBHV, RGBS, RGsB, YPbPrAnalog SyncTTL Level, 10KΩ, Pos or NegRGB Level Range0.5-2.0 Vp-pScan Rate DetectionAutomaticAnalog SignalsPC to 1920x1080, HDTV to 1080/60pDVI SignalsPC to 1920x1080, HDTV to 1080/60p w/EDIDMax Horiz Scan Rate150kHzStandard Computer OutputsUp to 28 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 2Analog formatRGBHV, RGBS, RGSB, RSB, YPbPrR-G-B Level0.7 Vp-pDVI SignalsPC to 1920x1000, HDTV to 1080/60p w/EDIDAnalog SignalsPC to 1920x1000, HDTV to 1080/60p w/EDIDAnalog SignalsPC to 1920x1080, HDTV to 1080/60pSize and PositionUser AdjustableSettings MemoryNon-VolatileConversion TechnologyProprietary – CORIO*3ColorRGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0Max. Sampling Rate162MHzFirmware MemoryUpgradeable via download.Video Comb FilterAdaptiveVideo AdjustmentsContrast, Brightness, RGB GammaStandard Video InputsUp to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2YUV /YPbPrUp to 28 via UNIVERSAL DVI 2YUV /YPbPr<	Display Size Compensation	Yes, different size displays in Videowalls					
HDCP Key Handling Yes Standard Computer Inputs Universal DVI (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density 1 Universal DVI (Analog & Digital) Up to 10 (HDMI & HDCP compliant) High Density 2 Analog Format RGBHV, RGBS, RGSB, YPbPr Analog Sync TTL Level, 10KΩ, Pos or Neg RGB Level Range 0.5-2.0 Vp-p Scan Rate Detection Automatic Analog Signals PC to 1920x1080, HDTV to 1080/60p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Max Horiz Scan Rate 150kHz Standard Computer Outputs DVI-1 (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 1 Up to 28 (HDMI & HDCP compliant) High Density 1 Up to 28 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 1 Up to 28 (HDMI & HDCP compliant) High Density 1 Analog format RGBHV, RGBS, RGsB, YPbPr R-G-B Level 0.7 Vp-p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1200, HDTV to 1080/60p Size and Position User Adjustable	Rotation	Yes for any outputs & windows.					
Standard Computer Inputs Universal DVI (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density ¹ Up to 10 (HDMI & HDCP compliant) High Density ² Analog Format RGBHV, RGBS, RGSB, YPbPr Analog Sync TTL Level, 10KQ, Pos or Neg RGB Level Range 0.5-2.0 Vp-p Scan Rate Detection Automatic Analog Signals PC to 1920x1080, HDTV to 1080/60p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Max Horiz Scan Rate 150kHz Standard Computer Outputs DVI-I (Analog & Digital) DVI-1 (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density ¹ Up to 10 (HDMI & HDCP compliant) High Density ¹ Up to 10 (HDMI & HDCP compliant) High Density ² Analog format RGBHV, RGBS, RGSB, YPbPr R-G-B Level 0.7 Vp-p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1200, HDTV to 1080/60p Standard Signals PC to 1920x1200,	Edge Blending	Yes					
Universal DVI (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density ¹ Up to 10 (HDMI & HDCP compliant) High Density ² Analog Format RGBHV, RGBS, RGsB, YPbPr Analog Sync TTL Level, 10KQ, Pos or Neg RGB Level Range 0.5-2.0 Vp-p Scan Rate Detection Automatic Analog Signals PC to 1920x1080, HDTV to 1080/60p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Max Horiz Scan Rate 150kHz Standard Computer Outputs DVI-I (Analog & Digital) DVI-I (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density ¹ Up to 10 (HDMI & HDCP compliant) High Density ² Analog format RGBHV, RGBS, RGSB, YPbPr R-G-B Level 0.7 Vp-p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1200, HDTV to 1080/60p Size and Position User Adjustable Settings Memory Non-Volatile Conversion Technology Proprietary – CORIO®3 Color RGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0 Max. Sampling Rate 162MHz Firmware Memory Upgradeable via download.	HDCP Key Handling	Yes					
Up to 10 (HDMI & HDCP compliant) High Density 2Analog FormatRGBHV, RGBS, RGsB, YPbPrAnalog SyncTTL Level, 10KQ, Pos or NegRGB Level Range0.5-2.0 Vp-pScan Rate DetectionAutomaticAnalog SignalsPC to 1920x1080, HDTV to 1080/60pDVI SignalsPC to 1920x1200, HDTV to 1080/60pDVI SignalsPC to 1920x1200, HDTV to 1080/60p w/EDIDMax Horiz Scan Rate150kHzStandard Computer OutputsDVI-I (Analog & Digital)Up to 28 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 2Analog formatRGBHV, RGBS, RGSB, RYbPrR-G-B Level0.7 Vp-pDVI SignalsPC to 1920x1200, HDTV to 1080/60p w/EDIDAnalog SignalsPC to 1920x1080, HDTV to 1080/60pSize and PositionUser AdjustableSettings MemoryNon-VolatileConversion TechnologyProprietary - CORIO®3ColorRGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0Max. Sampling Rate162MHzFirmware MemoryUpgradeable via download.Video Comb FilterAdaptiveVideo Comb FilterAdaptiveVideo InputsTelevision StandardsStandard VideoUp to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2YUV /YPbPrUp to 28 via UNIVERSAL DVI 2							
Analog Sync TTL Level, 10KΩ, Pos or Neg RGB Level Range 0.5-2.0 Vp-p Scan Rate Detection Automatic Analog Signals PC to 1920x1080, HDTV to 1080/60p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Max Horiz Scan Rate 150kHz Standard Computer Outputs DVI-I (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density 1 DVI-I (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density 2 Analog format RGBHV, RGBS, RGsB, YPbPr R-G-B Level 0.7 Vp-p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1200, HDTV to 1080/60p Size and Position User Adjustable Settings Memory Non-Volatile Conversion Technology Proprietary – CORIO*3 Color RGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0 Max. Sampling Rate 162MHz Firmware Memory Upgradeable via download. Video Comb Filter Adaptive Video Adjustments Contrast, Brightness, RGB Gamma Standard Video Inputs To via	Universal DVI (Analog & Digital)						
RGB Level Range 0.5-2.0 Vp-p Scan Rate Detection Automatic Analog Signals PC to 1920x1080, HDTV to 1080/60p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Max Horiz Scan Rate 150kHz Standard Computer Outputs DVI-I (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density 1 DVI-I (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density 2 Analog format RGBHv, RGBS, RGsB, YPbPr R-G-B Level 0.7 Vp-p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1200, HDTV to 1080/60p Size and Position User Adjustable Settings Memory Non-Volatile Conversion Technology Proprietary – CORIO®3 Color RGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0 Max. Sampling Rate 162MHz Firmware Memory Upgradeable via download. Video Comb Filter Adaptive Video Comb Filter Adaptive Video Comb Filter Adaptive Video Comb Filtor DV to 28 via UNIVERSAL DVI 1	Analog Format	RGBHV, RGBS, RGsB, YPbPr					
Scan Rate Detection Automatic Analog Signals PC to 1920x1080, HDTV to 1080/60p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Max Horiz Scan Rate 150kHz Standard Computer Outputs DVI-I (Analog & Digital) DVI-I (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 2 Analog format RGBHV, RGBS, RGsB, YPbPr R-G-B Level 0.7 Vp-p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1200, HDTV to 1080/60p Size and Position User Adjustable Settings Memory Non-Volatile Conversion Technology Proprietary – CORIO®3 Color RGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0 Max. Sampling Rate 162MHz Firmware Memory Upgradeable via download. Video Comb Filter Adaptive Video Comb Filter Adaptive Video Comb Filter Adaptive Video Comb Filter Ot 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 VV	Analog Sync	TTL Level, 10KΩ, Pos or Neg					
Analog SignalsPC to 1920x1080, HDTV to 1080/60pDVI SignalsPC to 1920x1200, HDTV to 1080/60p w/EDIDMax Horiz Scan Rate150kHzStandard Computer OutputsDVI-I (Analog & Digital)Up to 28 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 2Analog formatRGBHV, RGBS, RGsB, YPbPrR-G-B Level0.7 Vp-pDVI SignalsPC to 1920x1200, HDTV to 1080/60p w/EDIDAnalog SignalsPC to 1920x1080, HDTV to 1080/60p w/EDIDSize and PositionUser AdjustableSettings MemoryNon-VolatileConversion TechnologyProprietary - CORIO®3ColorRGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0Max. Sampling Rate162MHzFirmware MemoryUpgradeable via download.Video Comb FilterAdaptiveVideo AdjustmentsContrast, Brightness, RGB GammaStandard Video InputsTelevision StandardsYC (S-Video)Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2YUV /YPbPrUp to 28 via UNIVERSAL DVI 2YUV /YPbPrUp to 10 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 1 	• •	0.5-2.0 Vp-p					
DVI SignalsPC to 1920x1200, HDTV to 1080/60p w/EDIDMax Horiz Scan Rate150kHzStandard Computer OutputsDVI-I (Analog & Digital)Up to 28 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 2Analog formatRGBHV, RGBS, RGsB, YPbPrR-G-B Level0.7 Vp-pDVI SignalsPC to 1920x1200, HDTV to 1080/60p w/EDIDAnalog SignalsPC to 1920x1080, HDTV to 1080/60p s/EDIDAnalog SignalsPC to 1920x1080, HDTV to 1080/60pSize and PositionUser AdjustableSettings MemoryNon-VolatileConversion TechnologyProprietary - CORIO*3ColorRGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0Max. Sampling Rate162MHzFirmware MemoryUpgradeable via download.Video Comb FilterAdaptiveVideo AdjustmentsContrast, Brightness, RGB GammaStandard Video InputsNTSC, PALComposite VideoUp to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2YUV /YPbPrUp to 28 via UNIVERSAL DVI 2YUV /YPbPrUp to 10 via UNIVERSAL DVI 2	Scan Rate Detection	Automatic					
Max Horiz Scan Rate 150kHz Standard Computer Outputs Up to 28 (HDMI & HDCP compliant) High Density 1 DVI-I (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 2 Analog format RGBHV, RGBS, RGSB, YPbPr R-G-B Level 0.7 Vp-p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1080, HDTV to 1080/60p Size and Position User Adjustable Settings Memory Non-Volatile Conversion Technology Proprietary – CORIO®3 Color RGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0 Max. Sampling Rate 162MHz Firmware Memory Upgradeable via download. Video Comb Filter Adaptive Video Adjustments Contrast, Brightness, RGB Gamma Standard Video Inputs Television Standards Television Standards NTSC, PAL Composite Video Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 Up to 10 via UNIVERSAL DVI 2 YUV /YPbPr Up to 10 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 <	Analog Signals	PC to 1920x1080, HDTV to 1080/60p					
Standard Computer Outputs DVI-I (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density ¹ Up to 10 (HDMI & HDCP compliant) High Density ² Analog format RGBHV, RGBS, RGSB, YPbPr R-G-B Level 0.7 Vp-p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1080, HDTV to 1080/60p Size and Position User Adjustable Settings Memory Non-Volatile Conversion Technology Proprietary – CORIO®3 Color RGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0 Max. Sampling Rate 162MHz Firmware Memory Upgradeable via download. Video Comb Filter Adaptive Video Comb Filter Adaptive Video Inputs Contrast, Brightness, RGB Gamma Standard Video Up to 28 via UNIVERSAL DVI ¹ Up to 10 via UNIVERSAL DVI ² Up to 10 via UNIVERSAL DVI ² YC (S-Video) Up to 28 via UNIVERSAL DVI ¹ Up to 10 via UNIVERSAL DVI ²	DVI Signals	PC to 1920x1200, HDTV to 1080/60p w/EDID					
DVI-I (Analog & Digital) Up to 28 (HDMI & HDCP compliant) High Density 1 Up to 10 (HDMI & HDCP compliant) High Density 2 Analog format RGBHV, RGBS, RGsB, YPbPr R-G-B Level 0.7 Vp-p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1080, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1080, HDTV to 1080/60p Size and Position User Adjustable Settings Memory Non-Volatile Conversion Technology Proprietary – CORIO®3 Color RGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0 Max. Sampling Rate 162MHz Firmware Memory Upgradeable via download. Video Comb Filter Adaptive Video Comb Filter Adaptive Television Standards NTSC, PAL Composite Video Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 YUV /YPbPr YUV /YPbPr Up to 28 via UNIVERSAL DVI 2	Max Horiz Scan Rate	150kHz					
Up to 10 (HDMI & HDCP compliant) High Density ² Analog format RGBHV, RGBS, RGsB, YPbPr R-G-B Level 0.7 Vp-p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1080, HDTV to 1080/60p Size and Position User Adjustable Settings Memory Non-Volatile Conversion Technology Proprietary - CORIO®3 Color RGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0 Max. Sampling Rate 162MHz Firmware Memory Upgradeable via download. Video Comb Filter Adaptive Video Adjustments Contrast, Brightness, RGB Gamma Standard Video Inputs Television Standards Television Standards NTSC, PAL Composite Video Up to 28 via UNIVERSAL DVI ¹ Up to 10 via UNIVERSAL DVI ² YUV /YPbPr YUV /YPbPr Up to 28 via UNIVERSAL DVI ¹ Up to 10 via UNIVERSAL DVI ¹ Up to 10 via UNIVERSAL DVI ¹	Standard Computer Outputs						
Analog format RGBHV, RGBS, RGsB, YPbPr R-G-B Level 0.7 Vp-p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1080, HDTV to 1080/60p Size and Position User Adjustable Settings Memory Non-Volatile Conversion Technology Proprietary – CORIO*3 Color RGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0 Max. Sampling Rate 162MHz Firmware Memory Upgradeable via download. Video Comb Filter Adaptive Video Adjustments Contrast, Brightness, RGB Gamma Standard Video Inputs Television Standards VTC (S-Video) Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 Up to 10 via UNIVERSAL DVI 1 VUV /YPbPr Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2	DVI-I (Analog & Digital)	1 , 3 , 3					
R-G-B Level 0.7 Vp-p DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1080, HDTV to 1080/60p Size and Position User Adjustable Settings Memory Non-Volatile Conversion Technology Proprietary – CORIO®3 Color RGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0 Max. Sampling Rate 162MHz Firmware Memory Upgradeable via download. Video Comb Filter Adaptive Video Adjustments Contrast, Brightness, RGB Gamma Standard Video Inputs Television Standards Composite Video Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 Up to 10 via UNIVERSAL DVI 2 YUV /YPbPr Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 Up to 10 via UNIVERSAL DVI 2	Analog format						
DVI Signals PC to 1920x1200, HDTV to 1080/60p w/EDID Analog Signals PC to 1920x1080, HDTV to 1080/60p Size and Position User Adjustable Settings Memory Non-Volatile Conversion Technology Proprietary – CORIO®3 Color RGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0 Max. Sampling Rate 162MHz Firmware Memory Upgradeable via download. Video Comb Filter Adaptive Video Comb Filter Adaptive Standard Video Inputs Contrast, Brightness, RGB Gamma Standard Video Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 YC (S-Video) Up to 28 via UNIVERSAL DVI 2 YUV /YPbPr VUV /YPbPr Up to 10 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 YUV /YPbPr		0.7 Vp-p					
Size and Position User Adjustable Settings Memory Non-Volatile Conversion Technology Proprietary – CORIO®3 Color RGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0 Max. Sampling Rate 162MHz Firmware Memory Upgradeable via download. Video Comb Filter Adaptive Video Adjustments Contrast, Brightness, RGB Gamma Standard Video Inputs Television Standards Television Standards NTSC, PAL Composite Video Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 Up to 10 via UNIVERSAL DVI 2 YUV /YPbPr Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 Up to 10 via UNIVERSAL DVI 2	DVI Signals						
Size and Position User Adjustable Settings Memory Non-Volatile Conversion Technology Proprietary – CORIO®3 Color RGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0 Max. Sampling Rate 162MHz Firmware Memory Upgradeable via download. Video Comb Filter Adaptive Video Adjustments Contrast, Brightness, RGB Gamma Standard Video Inputs Television Standards Television Standards NTSC, PAL Composite Video Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 Up to 28 via UNIVERSAL DVI 2 YUV /YPbPr Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 Up to 10 via UNIVERSAL DVI 2	Analog Signals	PC to 1920x1080, HDTV to 1080/60p					
Conversion Technology Proprietary – CORIO®3 Color RGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0 Max. Sampling Rate 162MHz Firmware Memory Upgradeable via download. Video Comb Filter Adaptive Video Adjustments Contrast, Brightness, RGB Gamma Standard Video Inputs Television Standards Composite Video Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 Up to 10 via UNIVERSAL DVI 2 YC (S-Video) Up to 28 via UNIVERSAL DVI 2 YUV /YPbPr Up to 10 via UNIVERSAL DVI 2		User Adjustable					
Color RGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0 Max. Sampling Rate 162MHz Firmware Memory Upgradeable via download. Video Comb Filter Adaptive Video Comb Filter Adaptive Video Adjustments Contrast, Brightness, RGB Gamma Standard Video Inputs Television Standards Television Standards NTSC, PAL Composite Video Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 Up to 28 via UNIVERSAL DVI 2 YUV /YPbPr Up to 10 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 Up to 10 via UNIVERSAL DVI 2	Settings Memory	Non-Volatile					
Color RGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0 Max. Sampling Rate 162MHz Firmware Memory Upgradeable via download. Video Comb Filter Adaptive Video Comb Filter Adaptive Video Adjustments Contrast, Brightness, RGB Gamma Standard Video Inputs Television Standards Television Standards NTSC, PAL Composite Video Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 Up to 28 via UNIVERSAL DVI 2 YUV /YPbPr Up to 10 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 Up to 10 via UNIVERSAL DVI 2	Conversion Technology	Proprietary – CORIO®3					
Firmware Memory Upgradeable via download. Video Comb Filter Adaptive Video Adjustments Contrast, Brightness, RGB Gamma Standard Video Inputs Television Standards Television Standards NTSC, PAL Composite Video Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 YC (S-Video) Up to 28 via UNIVERSAL DVI 2 YUV /YPbPr Up to 10 via UNIVERSAL DVI 2	Color	RGB/DVI/HDMI/ YPbPr 24-bit 4:2:0, SDI 20-bit 4:2:0					
Video Comb Filter Adaptive Video Adjustments Contrast, Brightness, RGB Gamma Standard Video Inputs Television Standards Television Standards NTSC, PAL Composite Video Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 YC (S-Video) Up to 28 via UNIVERSAL DVI 2 YUV /YPbPr Up to 10 via UNIVERSAL DVI 2	Max. Sampling Rate	162MHz					
Video Adjustments Contrast, Brightness, RGB Gamma Standard Video Inputs Television Standards NTSC, PAL Composite Video Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 YC (S-Video) Up to 28 via UNIVERSAL DVI 2 Up to 10 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 YUV /YPbPr Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2	Firmware Memory	Upgradeable via download.					
Standard Video Inputs Television Standards NTSC, PAL Composite Video Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 Up to 28 via UNIVERSAL DVI 2 YC (S-Video) Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 Up to 28 via UNIVERSAL DVI 2 YUV /YPbPr Up to 10 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 Up to 10 via UNIVERSAL DVI 2	Video Comb Filter	Adaptive					
Television Standards NTSC, PAL Composite Video Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 YC (S-Video) Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 YUV /YPbPr Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2	Video Adjustments	Contrast, Brightness, RGB Gamma					
Composite Video Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 YC (S-Video) Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 YUV /YPbPr Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2	Standard Video Inputs						
Up to 10 via UNIVERSAL DVI ² YC (S-Video) Up to 28 via UNIVERSAL DVI ¹ Up to 10 via UNIVERSAL DVI ² YUV /YPbPr Up to 28 via UNIVERSAL DVI ¹ Up to 10 via UNIVERSAL DVI ¹ Up to 10 via UNIVERSAL DVI ²	Television Standards	NTSC, PAL					
YC (S-Video) Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2 YUV /YPbPr Up to 28 via UNIVERSAL DVI 1 Up to 10 via UNIVERSAL DVI 2	Composite Video	Up to 28 via UNIVERSAL DVI ¹					
Up to 10 via UNIVERSAL DVI ² YUV /YPbPr Up to 28 via UNIVERSAL DVI ¹ Up to 10 via UNIVERSAL DVI ²		Up to 10 via UNIVERSAL DVI ²					
YUV /YPbPr Up to 28 via UNIVERSAL DVI ¹ Up to 10 via UNIVERSAL DVI ²	YC (S-Video)	Up to 28 via UNIVERSAL DVI ¹					
Up to 10 via UNIVERSAL DVI ²		Up to 10 via UNIVERSAL DVI ²					
	YUV /YPbPr	Up to 28 via UNIVERSAL DVI ¹					
SD/HD-SDI Up to 56 via BNC (4 input module) ¹		Up to 10 via UNIVERSAL DVI ²					
	SD/HD-SDI	Up to 56 via BNC (4 input module) ¹					
Up to 16 via BNC (4 input module) ²		Up to 16 via BNC (4 input module) ²					
SD/HD/3G-SDI Up to 28 via BNC ¹	SD/HD/3G-SDI	Up to 28 via BNC ¹					
Up to 8 via BNC ²		Up to 8 via BNC ²					
4K30 Up to 28 via HDMI ¹	4K30	Up to 28 via HDMI ¹					
Up to 8 via HDMI ²		Up to 8 via HDMI ²					
4K60 Up to 14 via HDMI ¹	4K60	Up to 14 via HDMI ¹					
Up to 4 via HDMI ²		Up to 4 via HDMI ²					

Video Outputs	
YUV /YPbPr	Up to 28 via DVI-I ¹
	Up to 10 via UNIVERSAL DVI ²
HD/3G-SDI	Up to 28 via BNC ¹
	Up to 10 via BNC ²
HDBaseT	Up to 28 via RJ45 ¹
	Up to 8 via RJ45 ²
4K30	Up to 14 via HDMI ¹
	Up to 5 via HDMI ²
Standard HD Resolutions s	upported (HDMI, DVI, YPbPr, SDI)
720p (1280x720)	(23.98, 24, 25 SDI only), 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
1080p (1920x1080)	50, 59.94, 60Hz
3G/HD/SD-SDI	
SMPTE259M-C	270Mbps < 0.1UI jitter
(SD-SDI Video)	525/625Line
SMPTE292M	1.485/1.4835Gbps < 0.2 UI jitter
(HD-SDI Video)	720p, 1035i, 1080i, 1080p
SMPTE424M	2.97/2.967Gbps < 0.3 UI jitter
(3G-SDI Video)	1080p 50/59.94/60
Control Methods	
RS-232	via D9 Female Connector
IP Interface	RJ45 Connector
Warranty	
Limited Warranty	5 Years Parts and Labor
Regulatory Compliance	
Main unit	FCC, CE, RoHS, UL
Mechanical	
Size (H x W x D)	178 x 482 x 334mm (7.0" x 19.0" x 13.1") ¹
	44 x 482 x 334mm (1.73" x 19.0" x 13.1") ²
Weight (Net)	15Kg (33 lbs) (with redundant PSU) ¹
	5Kg (11.03 lbs) ²
Environmental	SKg (11.03 lb5) =
	0° to ±40° C (±22° to ±104° E)
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	Approximately 50,000 hours
Power Requirement	
Internal Power Supply	110v to 240v auto-detecting
Redundancy	Optional Internal Hot Swap PSU
Accessories Included	
1x Operations Manual	Supplied USB Drive
1x Power cable	US, UK, Euro or AU
PC Control Software	Downloadable from Website
Optional Accessories	See list above and check website for latest list

CORIOmaster 1, CORIOmaster mini 2

Specifications subject to change without notification



sales@tvone.com