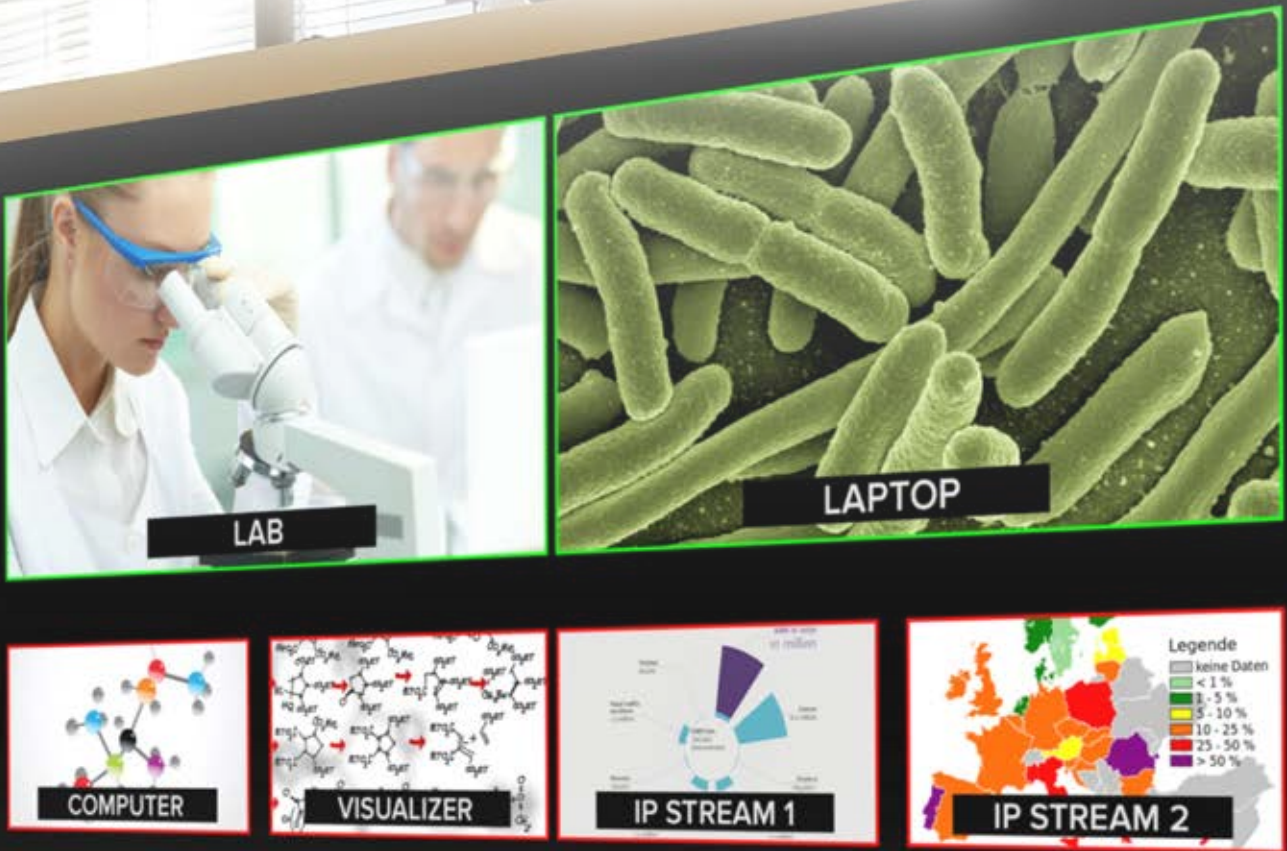


CORIOview™

The multi-window processor redefined!



Presets



4K Support



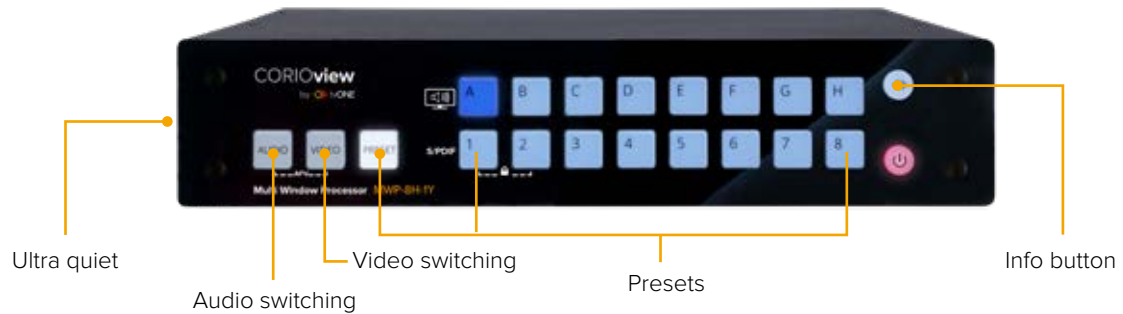
Info Button



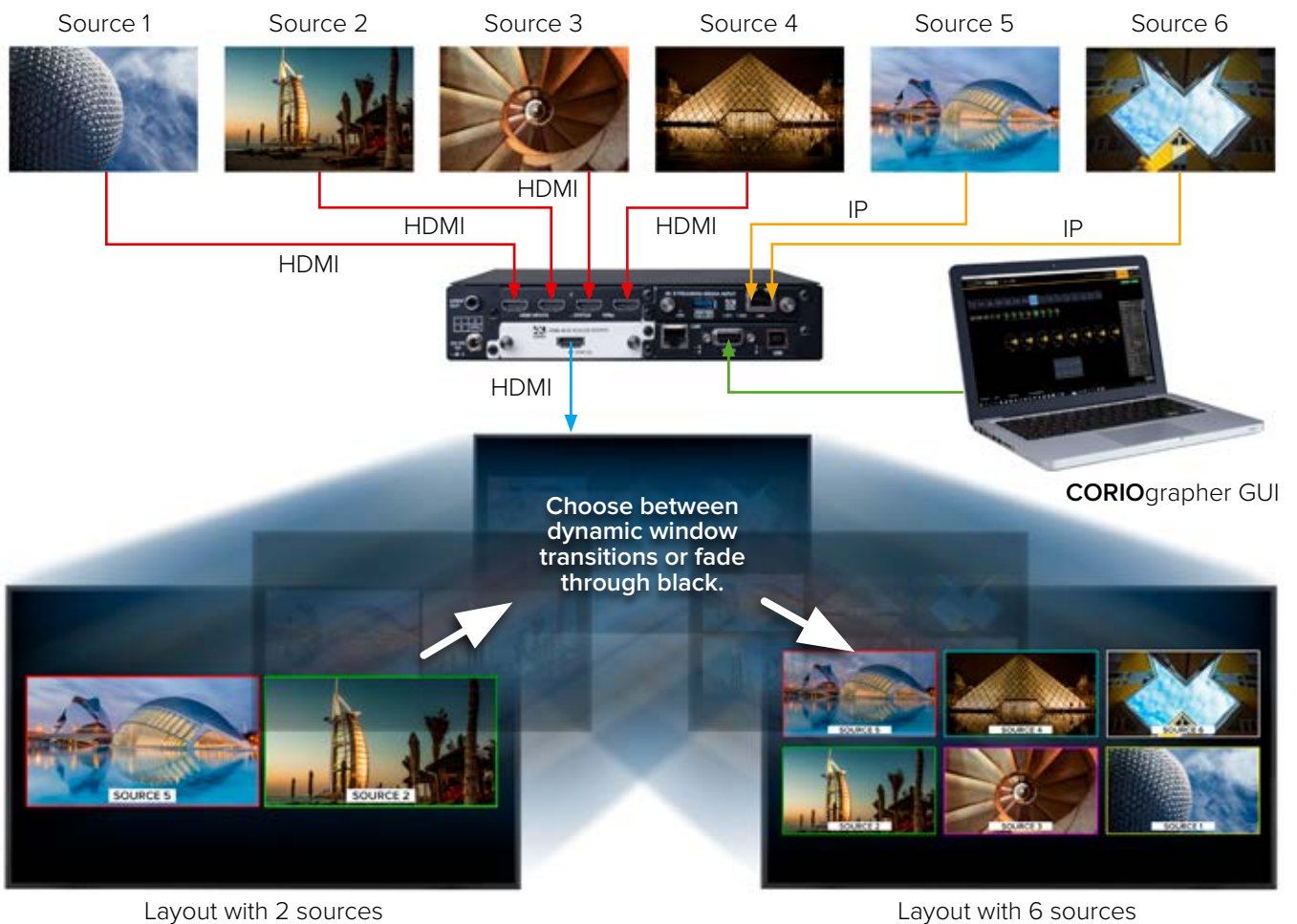
Make the most of your visual space with CORIOview™, the world's most advanced AV processor with up to eight video sources

CORIOview – the multi-window processor redefined

Make the most of your visual space with CORIOview; the fastest, most intuitive 4K multi-window processor with up to 8 sources. This easy to use, plug and play solution features 16 buttons for preset recall or source selection, making usability a breeze. Be the instant expert and avoid 'AV moments' with our unique info button that displays instant on screen info of your source and window selection.



For more advanced applications, take full control with tvONE's CORIO®grapher software to fire presets, switch sources, select audio, add borders and source labeling.



CORIOview – compact, simple & versatile

High density - two input slots allow up to eight inputs using HDMI or 3G-SDI. Other options include 4K HDMI, DVI-U for your legacy formats, a streaming media decoding and a 4K media player.

Seamless hook up with your external audio system using our S/PDIF connector



Output stunning 4K with the option for HDBaseT as well as 1080p HDMI, 3G-SDI or DVI-U

Choose your control using CORIOview's front panel, hook up to our **CORIO**grapher software or use your control system of choice over IP or RS-232.

Compact, yet mighty



Presets

Preconfigured window layouts with borders and source labelling.



Info button

Be an instant expert – a simple push shows exactly which of your sources are displayed for stress free operation.



Audio

Crystal clear audio from your display or from our S/PDIF output.

Simple to use



Transitions

Simple fade through black and eye-catching motion transitions.



Display options

Choose displays, projectors or LED's with our custom resolution manager.



Future proofed

CORIOview supports current and legacy AV sources, IP feeds and Broadcast sources

Versatile



4K

Enjoy stunning CORIO® quality with pixel perfect scaling.



Control choices

Take control from CORIOview's optimized front panel, **CORIO**grapher software or automation plug-ins.



Mounting

Less is more! Compact form with choice of 19" rack mount, surface mount or **ONERack** options.

Every facility deserves a CORIOview

Make quick decisions and significantly increase your team's efficiency with CORIOview. Featuring up to eight inputs in a half width 1RU unit with 4K output, CORIOview saves you both space and money by using only one screen, instead of many, with this simple to use, yet ultra-powerful set and forget processor.

Corporate

Boost collaboration and information sharing in your corporate environments. 4K clarity, 24/7 reliability, multiple video windows and full compatibility with any display, projector or LED wall help you boost productivity and reduce display costs.



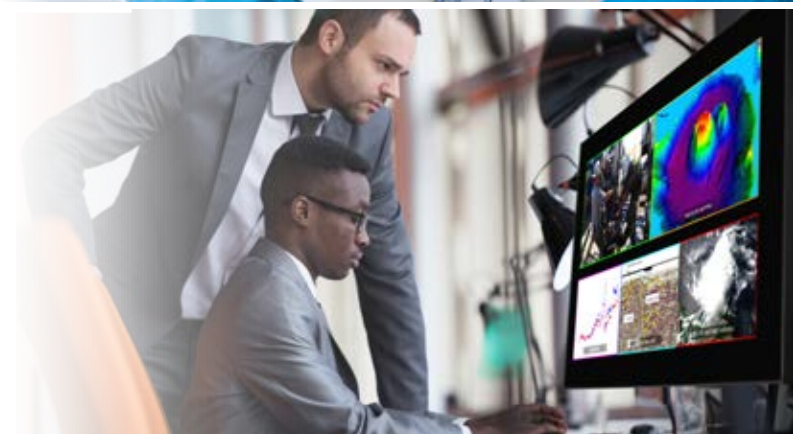
Healthcare

Demand mission critical reliability from your video processor with high quality and low latency. Be more efficient and make quicker decisions by adding source labels, audio meters and borders.



Industrial

Boost collaboration, enhance visualization capabilities and share data like never before with real-time, crystal clear 4K quality. Choose between multiple preset options to view the images in the way that you need to make high pressure judgement calls.



Education

Boost training outcomes by transforming your learning environments into immersive collaboration zones. Engage with your students, compare facts and share multiple sources while still maintaining ease of use.



Events & Retail

Create a wow factor. Display multiple feeds, clips and stills combined with eye catching transitions on displays, LED walls or projection.



Broadcast

Monitor a combination of up to eight 4K, HD, SD broadcast inputs with the option of AV and IP inputs. Borders and labels can be added to any window.



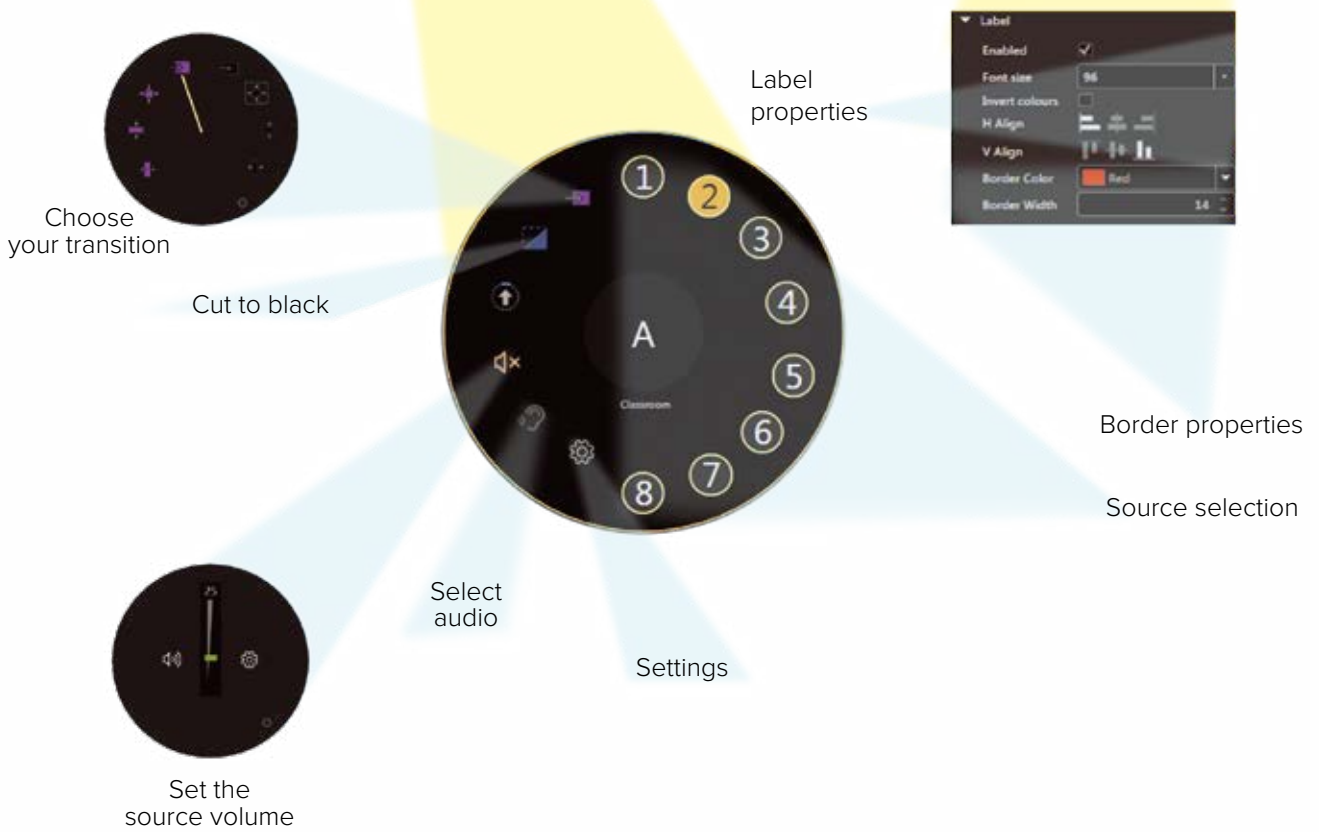
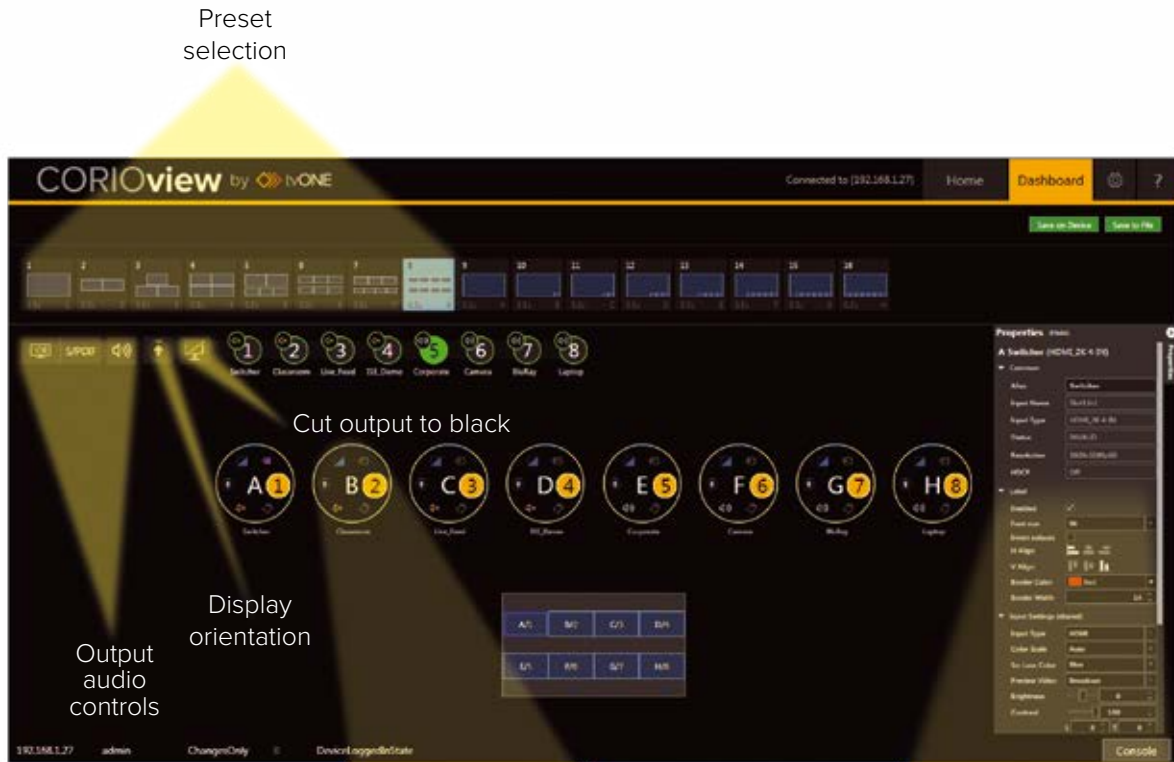
Control rooms

Power your small control rooms using our real-time 4K performance for SDI, AV or IP.



CORIOgrapher for CORIOview

Our proven **CORIO**grapher design and control software makes installation, configuration and operation of your CORIOview a total breeze! **CORIO**grapher has been optimized for multi-window operations and automatically adapts its appearance to your preset layout. It is touch-screen ready and resizes to whatever control device you choose!



CORIOview Family

The CORIOview Multi-Window Processor is available in six off-the-shelf models as well as a wide variety of made to order versions.

Off-the-shelf options:

MWP-4H-1Y - 4 x 1080p HDMI



MWP-8H-1Y - 8 x 1080p HDMI



MWP-4Y-1Y - 4 x UHD 4K HDMI



MWP-4Hi-1Y - 4 x 1080p HDMI & 2 x Streaming media & 4K playback



MWP-4D-1Y - 4 x DVI-U



MWP-8GS-1Y - 8 x 3G-SDI



Made-to-order options:

For even more flexibility, you can also choose a premium, customized CORIOview.

1. Choose your output module

- Chassis + HDMI (UHD 4K) out
- Chassis + DVI-I (1080p) out
- Chassis + 3G-SDI out
- Chassis + HDBaseT (1080p) out

2. Choose up to two input modules

- 4 x HDMI (1080p)
- 4 x 3G-SDI (1080p)
- 2 x DVI-U (1080p)
- 2 x HDMI (UHD 4K)
- 2 x HDBaseT (UHD 4K)
- 4 x HD-SDI (1080i)
- 2 x AVIP (UHD 4K)

Mounting options:

Surface mount



Dual units 19" rack mount



ONERack module

Single unit 19" rack mount



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 (HDMI 2.0)
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

