

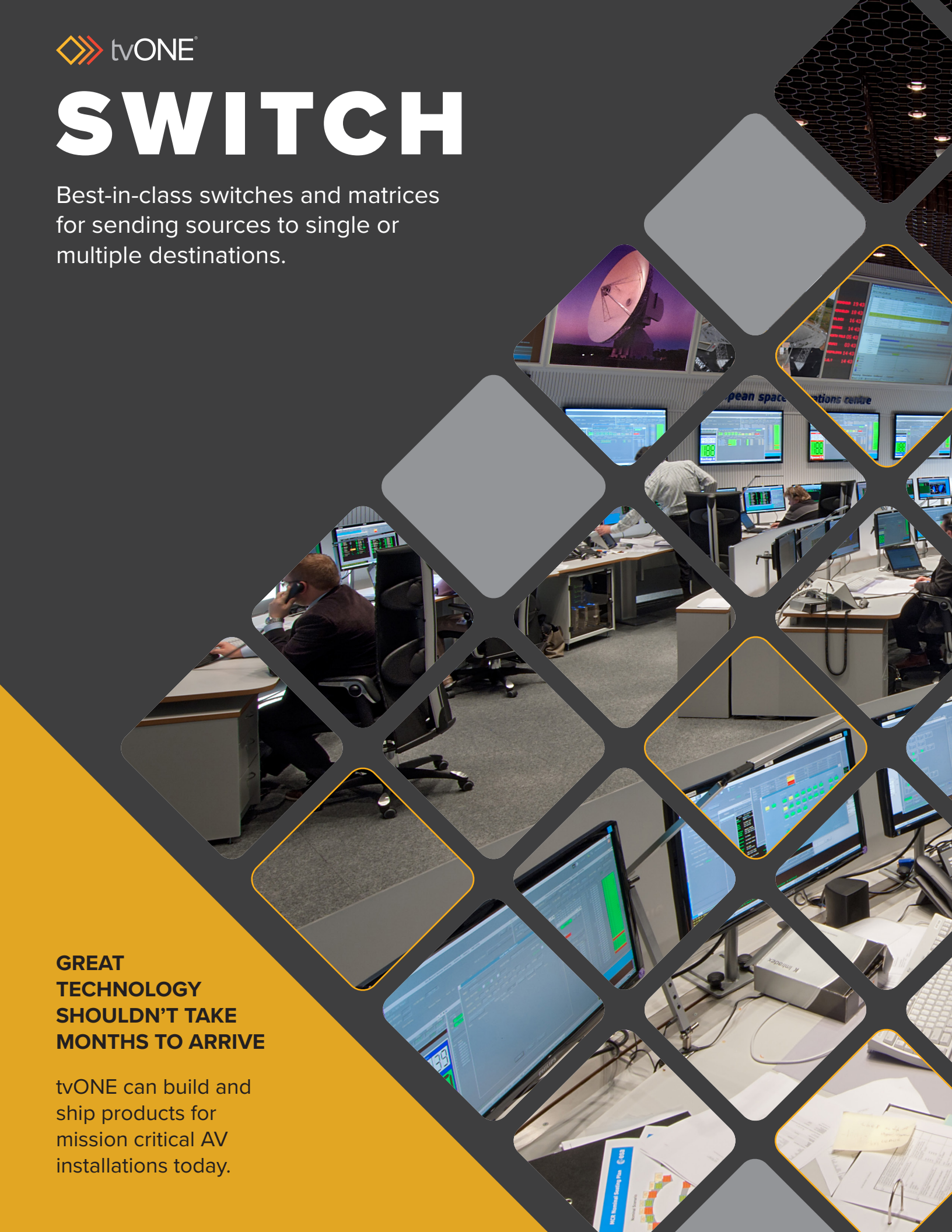


SWITCH

Best-in-class switches and matrices for sending sources to single or multiple destinations.

**GREAT
TECHNOLOGY
SHOULDN'T TAKE
MONTHS TO ARRIVE**

tvONE can build and ship products for mission critical AV installations today.



THE TVONE DIFFERENCE:

Are you suffering from heart-stopping “AV moments”? Then step up to tvONE’s leading range of ultra-reliable switchers and matrices that feature award winning performance as standard. Choose from our range of solutions for every need and every budget. From entry level products, to advanced systems, tvONE provides easy integration of the most popular inputs and outputs, together with solutions that can expand up to thousands of end points.

Switcher selection guide:

Experience our AV, Broadcast and IP solutions with rich feature sets including format conversion, scaling and extension.

Cable type – tvONE has the widest range of input and output types. All our solutions are designed, manufactured and tested for real-world environments where interoperability and clean, synchronous switching are key while still maintaining low latency and high image quality.



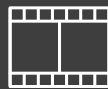
HDMI up to 2.0



DVI



3G-SDI & HD-SDI



IP - H.264 & H.265



HDBaseT

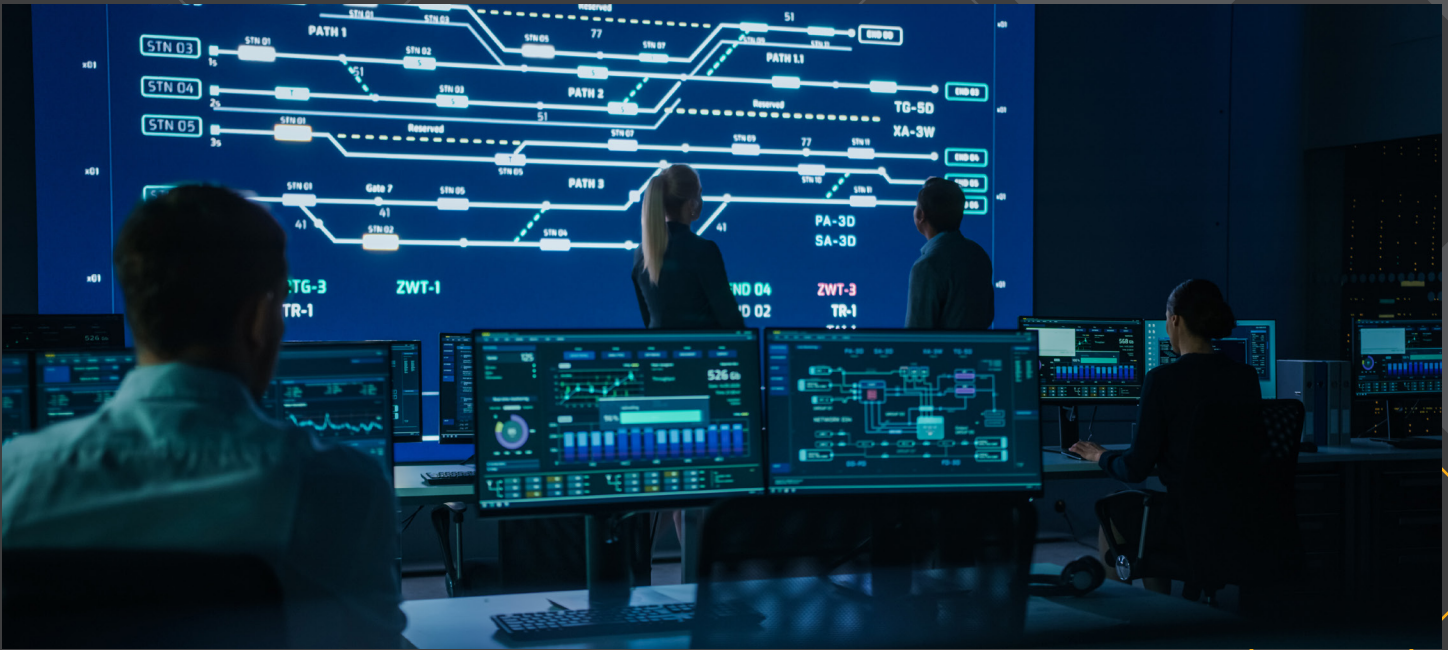


HD-15 (VGA)

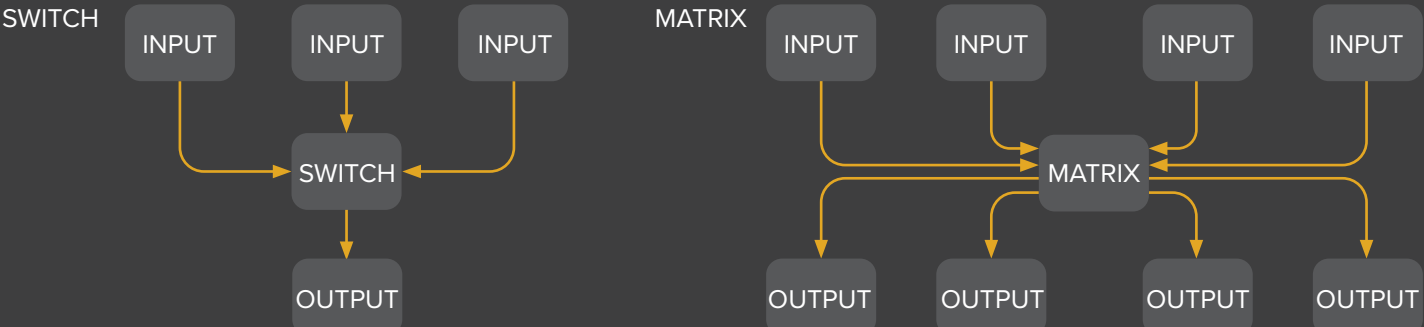


Clips & Stills





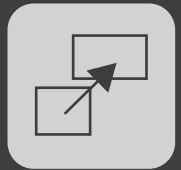
Size – tvONE solutions include switches (single output) and matrices (multiple outputs) in a variety of sizes.



Features – Choose from the widest range of features for the perfect installation.



Format Conversion
 Mix and match your content and simplify your installs by making your format, aspect and output resolutions independent



Scaling
 It's easy to mix and match your content whatever the source or format, using our high quality, low latency scaling engine.



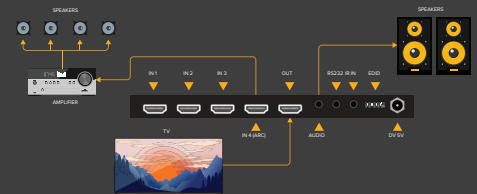
Modularity
 Build the system you need with our modular building block approach on our CORIOmatrix and MultiView families



Auto switching
 Save time, eliminate system complexity and control headaches with automatic source switching.

Control – tvONE solutions offer a range of options to allow users to easily control their matrix and switcher solutions. Choose from front panels, control software and web browsers, on screen display (OSD) and infra-red control options. You can also integrate our CORIO based solutions to popular AV control solutions simply and easily using our free to download plug-ins.

COMPACT FORM AUTO SWITCHER



The 1T-SX-654 is an ultra-thin auto switcher with four HDMI video inputs and one HDMI output with resolution support up to 4Kx2K@60Hz 4:4:4 HDR. Control options include auto-switch mode, which automatically switches to an HDMI input as soon as a new source is connected, or control via the front panel source button, RS-232 or IR (remote control included).

Audio functionality includes multi-channel support, de-embedded digital stereo audio to provide an analog output, or an audio return channel (ARC) for transmitting audio back to the HDMI input from the connected display.

Combine the 1T-SX-654 with our compact form extender, splitters and distribution amplifiers for complete, end-to-end HDMI 2.0 workflows in space restricted set ups.

Compatible tvONE products



MG-FB-611

HDMI 2.0 Extension
to 984ft (300m)



MG-DA-618

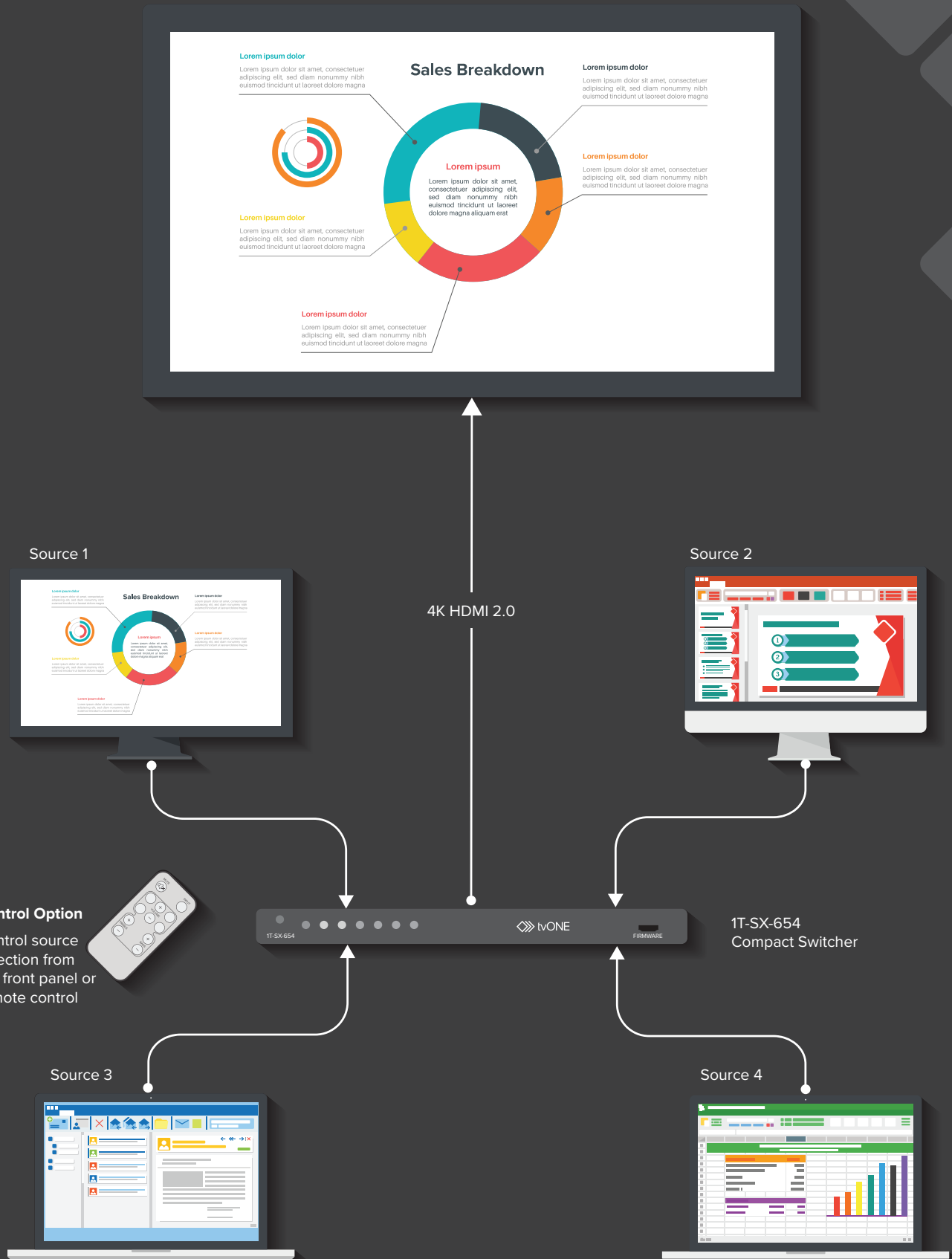
Ultra-slim HDMI 2.0
Splitters & Distribution
Amplifiers



MG-AOC-663-XXX

HDMI 2.0 Extension
From 32ft (10m) to 328ft (100m)

SMALL SWITCH APPLICATION



END-TO-END SOLUTION FOR HDMI 2.0 SWITCHING, EXTENSION AND DISTRIBUTION

Combine tvONE extension, switching and distribution solutions to create compact, interoperable and proven solutions. In this small House of Worship application tvONE reliably extends signals using Active Optical Cables, utilizing a compact 4-port switcher for source selection before distributing the signal to the audience for viewing through a projector and side monitors.

Simple to install, compact & easy to use...

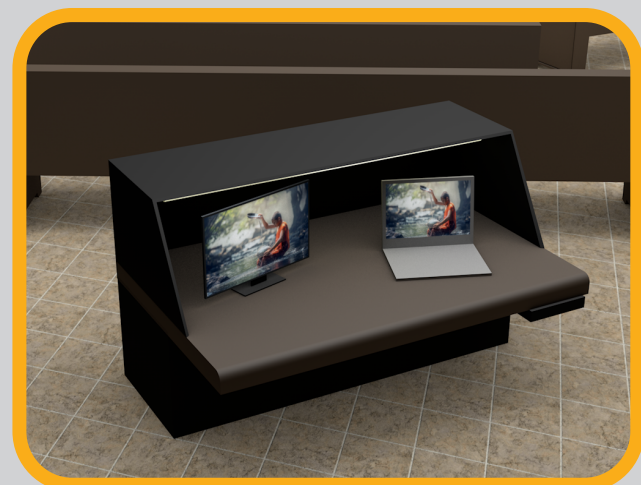
With space at a premium the 1T-SX-654 HDMI auto-switcher combined with a 4-port HDMI Distribution Amplifier takes up less space than 1RU of shelf space yet, offer the highest quality and simple operation.



1T-SX-654



MG-DA-614

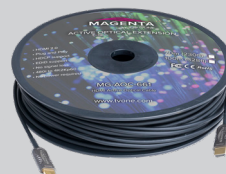


The client required a presenter confidence monitor in a compact lectern. An ultra-slim splitter was deployed which can fit even in the smallest of spaces.

MG-DA-612



Magenta Active Optical Cables allow powerful, easy install extension of HDMI 2.0 signals. Versions ranging from 10 to 100 meters with true plug-and-play performance are perfect for every application.



32ft

150ft

Active Optical Cables



Walsh-Hayes
Engineer Strategic Solutions

7 DAY FORECAST										
7 DAY FORECAST										
7 Day	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed
45.212	↓ 0.250	↓ 0.32%	N/A	0	N/A					
78.545	↓ 0.225	↓ 0.27%	N/A	0	N/A					
25.415	↓ 0.145	↓ 0.57%	N/A	0	N/A					
62.356	↑ 1.156	↑ 1.85%	62.300	200	61.300					
14.215	↑ 4.152	↑ 0.56%	14.300	200	12.300					
63.365			N/A	0	N/A					
25.145	↓ 0.425	↓ 0.54%	N/A	0	N/A					
36.354	↓ 0.150	↓ 0.41%	N/A	0	N/A					
25.364	↓ 0.254	↓ 0.32%	N/A	0	N/A					
35.641	↓ 0.356	↓ 0.14%	N/A	0	N/A					
35.641	↓ 0.356	↓ 0.14%	N/A	0	N/A					

SMALL SWITCHERS WITH INTEGRATED FORMAT CONVERSION

This versatile range of multi-format switchers provide video signal format conversion at ultra low latency and glitch-free switching in addition to a host of other useful features including custom resolution management for use with Direct View LED displays, still stores, logo generators and even picture-in-picture.

C2-2855 Universal Switcher/Scaler



Universal switcher/scaler plus with high quality bi-directional conversion between a variety of video formats. Versatile features include Picture-in-picture, keying, logo insertion and Auto-Switching.

C2-2655 Switcher/Broadcast Scan Converter



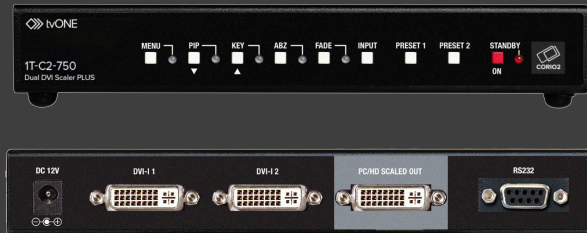
Broadcast Scan Converter Plus supports HDMI, DVI, Composite Video, YC, YUV, YPbPr or RGB, on both inputs and outputs, and SD/HD/3G-SDI on output only. Source selection is simplified with Auto-Switching.

C2-2755 Universal Switcher/Up Converter



Video switcher plus with up and cross conversion using high performance scalars to provide best-in-class video scaling and format conversion along with Picture-in-picture, keying, logo insertion and Auto-Switching.

1T-C2-750 Dual-PIP Scaler



Dual-PIP HDMI/DVI scaler with two high quality and extremely low system latency including conversion of HDMI, DVI-D or analog DVI-A signals to another format, with picture-in-picture flexibility.

Compatible tvONE products



HD-ONE-DX
HDMI extension to 328ft (100m)



HD-ONE DX500
HDMI extension to 500ft (152m)



HD-ONE LX
HDMI extension to 328ft (100m) with control



HD-ONE LX500
HDMI extension to 500ft (152m) with control



ONErack
Universal, powered mounting system

UP/DOWN/CROSS CONVERSION

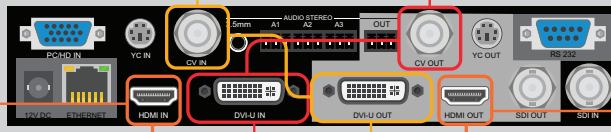
Up conversion enables scaling to higher resolutions ie PAL 625i analog to 720p digital



625i



720p



525i

Down (Scan) conversion is the process of decreasing a video's resolution ie XGA 60Hz to NTSC 525i



1080p

Cross conversion enables scaling between different resolutions ie 720p to 1080p



XGA

WXGA



Please note these are only examples of Up, Down & Cross Conversion. In usage only a single output resolution is possible at one time.

VIDEO LAYERING WITH KEYING

Sources



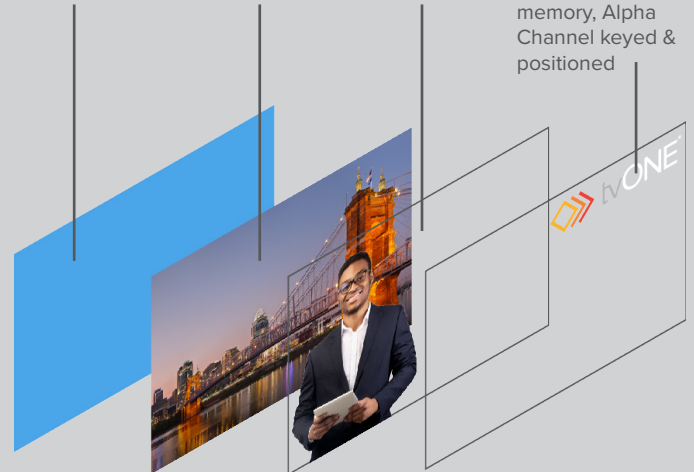
Video Output

Background Color

Video 1

Video 2 keyed

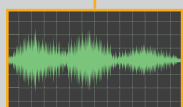
Logo from internal memory, Alpha Channel keyed & positioned



AUDIO ROUTING

Audio de-embedded from video sources (HDMI/DVI/SDI)

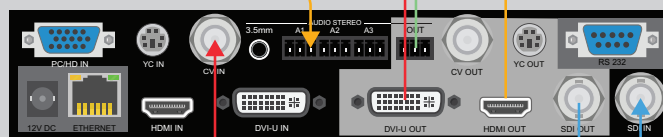
Audio embedded into video (HDMI/DVI/SDI outputs only)



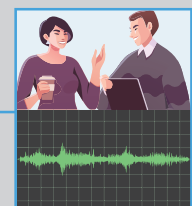
Audio Source



Composite Video (No Audio)



Audio follow Video routing (A : A, A : D, D : A & D : D)





ADVANCED SWITCHERS AND MULTI WINDOW PROCESSORS

This versatile range multi-format switchers provide video signal format conversion at ultra low latency and glitch-free switching in addition to a host of other useful features including custom resolution management for use with Direct View LED displays, still stores, logo generators and even picture-in-picture.

CORIOview 4K Multi Window Processor



Choose your output module

- Chassis + HDMI (UHD 4K) out
- Chassis + HDMI (1080p) out
- Chassis + DVH (1080p) out
- Chassis + 3D-SDI out
- Chassis + HDBaseT (1080p) out

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)

Intuitive 4K multi-window processor with up to 8 sources with automatic layout control or using front panel control for preset recall or source selection. Other features include source labelling and video/audio muting.

C2-6104A HDMI/DVI Multi-window viewer



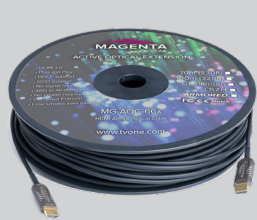
Quad input HDMI/DVI-I universal multi window viewer with sources viewable as a full screen or in flexible multi-window layouts with optional labels, keying and still images.

C2-6204A 3G-SDI Multi-window viewer



Quad input 3G-SDI universal multi window viewer with sources viewable as a full screen or in flexible multi-window layouts with optional labels, keying and still images.

Compatible tvONE products



LowSmoke Zero Halogen



Armored



1T-CL-322-US



1T-CL-322-EU



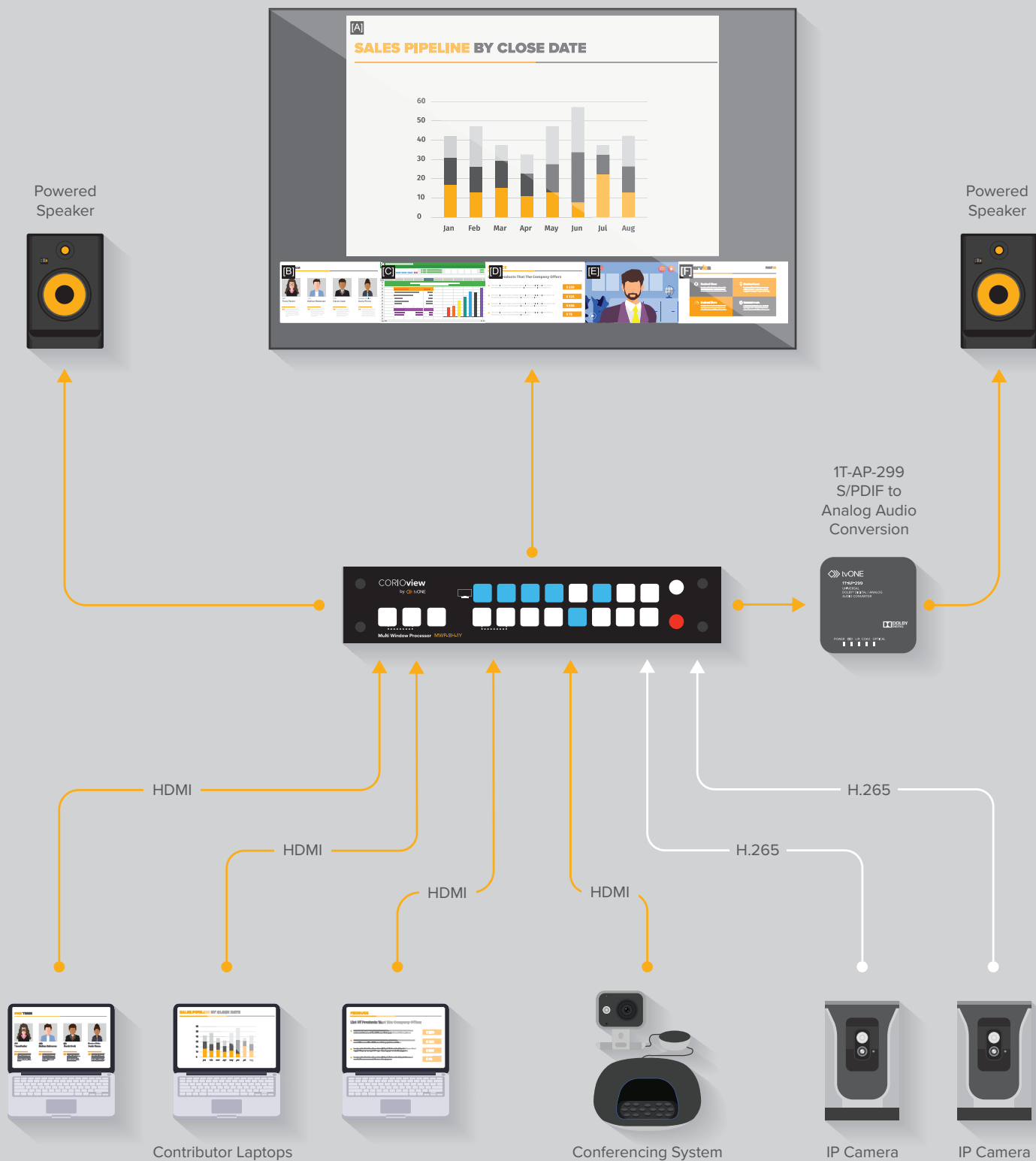
HD-ONE-DX
HDMI extension to 328ft (100m)

Active Optical Cables

HDMI 2.0 extension from 33ft (10m) to 328ft (100m)

CORIOview

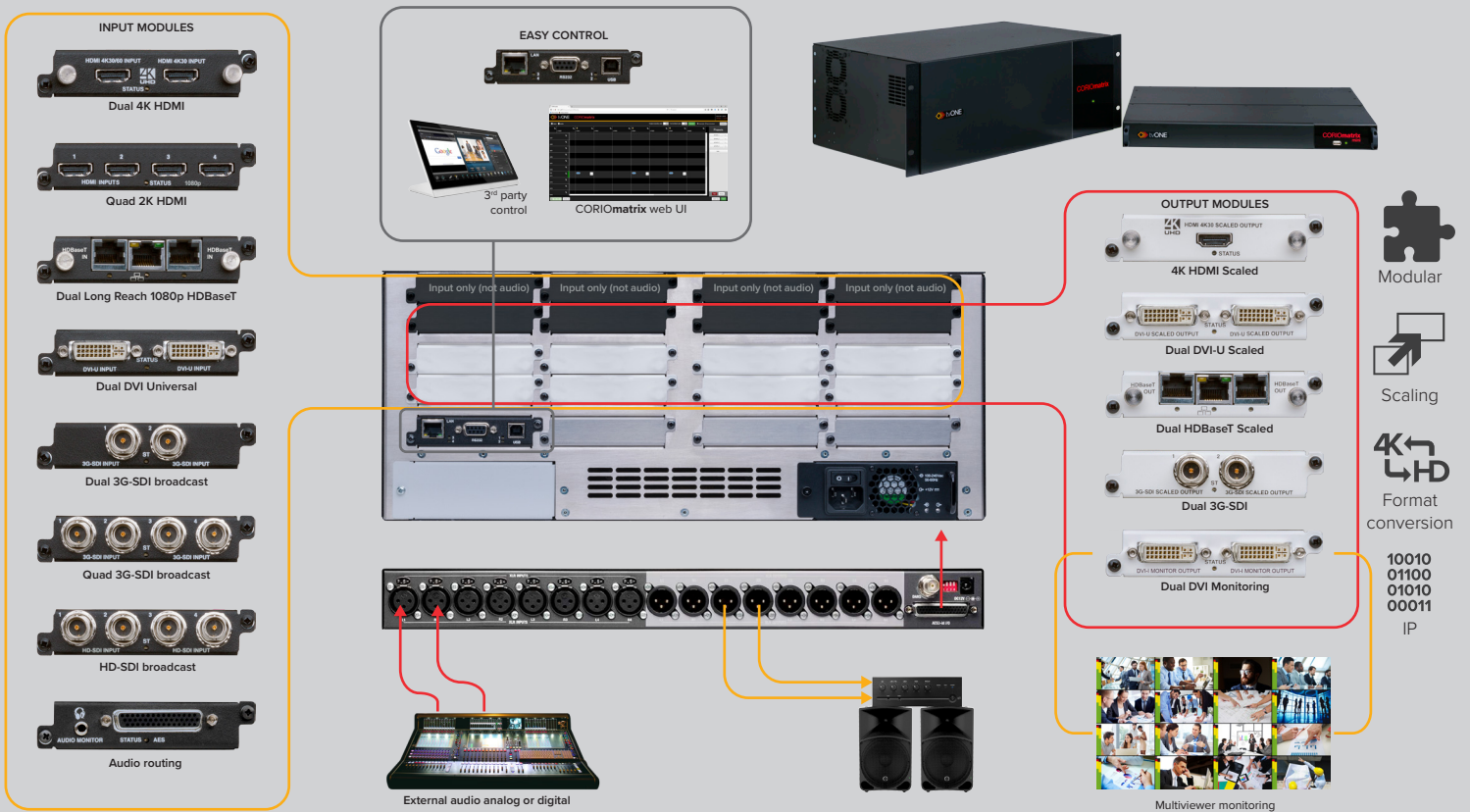
CORIOview is the perfect solution to boost collaboration and information sharing in your corporate environments. 4K clarity, 24/7 reliability, multiple video windows and full compatibility with any display, projector or LED wall help you boost productivity and reduce display costs.





MEDIUM MATRICES - UP TO 60 INPUTS OR 24 OUTPUTS

The CORIOmatrix series is the ultimate 4K modular AV matrix with scaling, format conversion and extension capabilities built in as standard. The versatility and adaptability provided by the CORIOmatrix modular design helps integrators overcome the wide-ranging challenges of BYOD.



Compatible tvONE products



MG-FB-611



1T-CL-322-EU



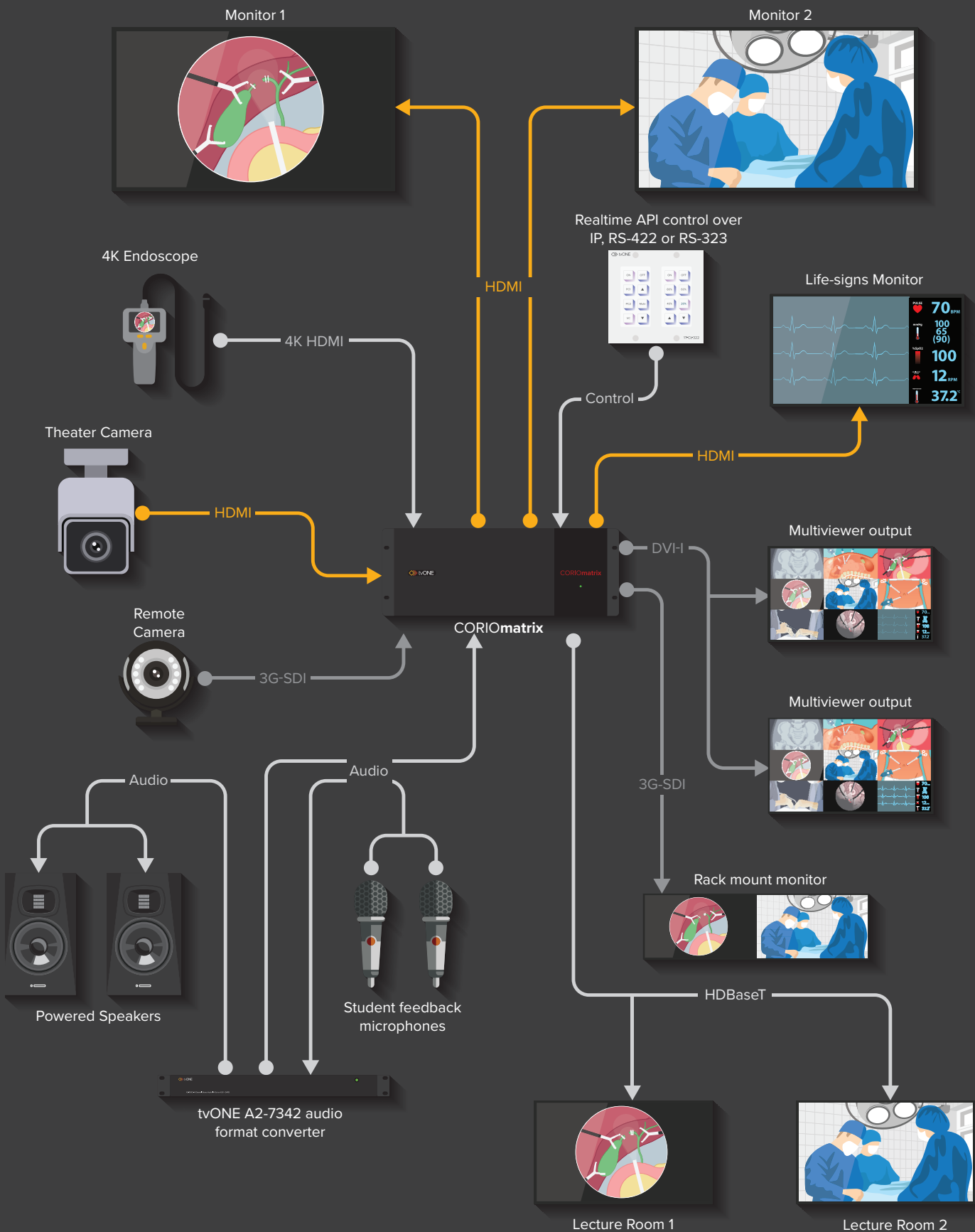
1T-CL-322-US



HD-ONE-DX and DX500 series

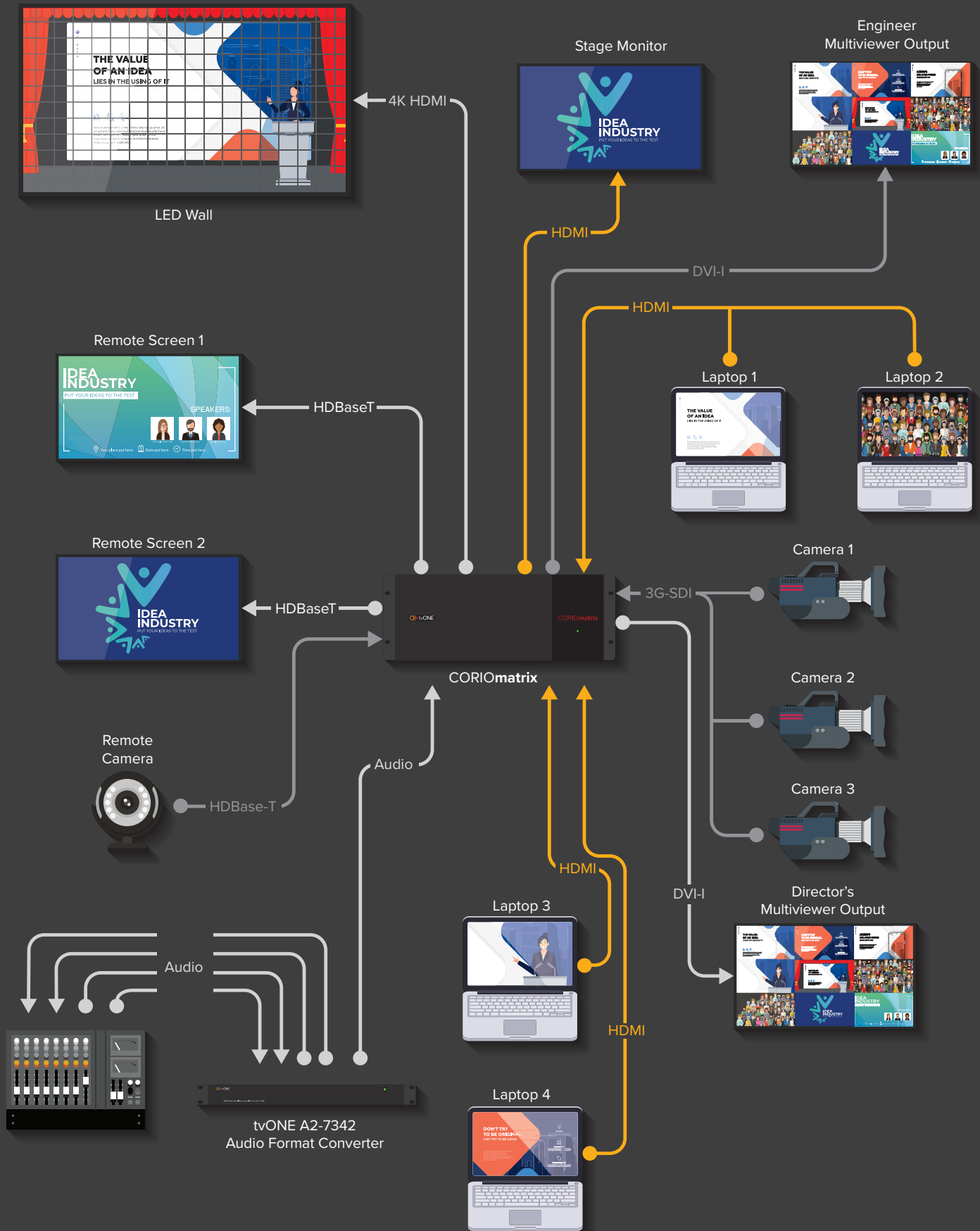
MEDICAL

Operating Rooms demand high-resolution video with ultra-low latency performance.



EVENTS

Boost your performance or presentation. Multi-format inputs, low latency and LED wall compatibility will captivate your audience.

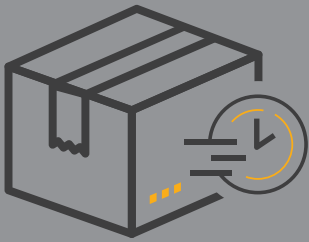




CUSTOM AND OEM PRODUCTS



If your company has a unique application or requires somewhat different features than are available in our standard scan converter or video scaler models, we are experienced in providing custom products. tvONE has developed custom solutions for a large number of clients, for both high and modest quantity requirements. Past projects have ranged from providing minor software modifications to an existing model to designing and manufacturing completely new products for the mass market.



GREAT TECHNOLOGY SHOULDN'T TAKE MONTHS TO ARRIVE

tvONE can build and ship products for mission critical AV installations today.



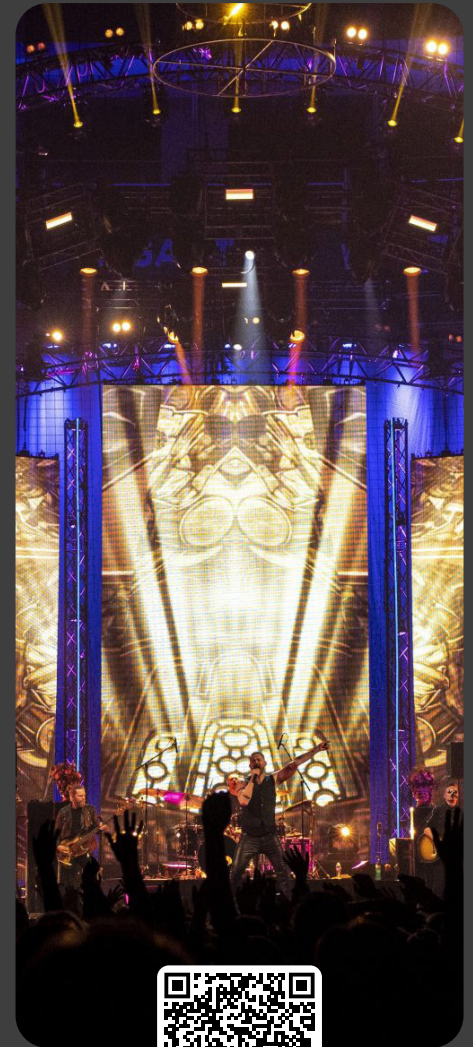
INTEGRATE

Low latency video
processing & windowing



CONNECT

Signal extension
& distribution



ENGAGE

Media playback
& manipulation



www.tvone.com