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Professional video solutions | **01252 876300**

" Welcome to our latest AV Technology guide…

…offering you and your customers more choice, services and solutions than ever before.

2014 has seen continued growth. We have joined with some new partners this year including Mersive and their Solstice wireless collaboration solution. Success has also come from our Video Conferencing team with more focus in this area. Datapath, Livestream, iRoom and the Broadcast area also bring new opportunities to explore, with developments in 4K being particularly exciting.

True Colours continues to get involved in larger scale projects as it evolves, including IP solutions with 800 end points. Similarly to the technology we provide, we are constantly evolving and, where possible, we will offer more of a solution proposal with lots of elements coming from the Midwich Group including video, audio, video conferencing and security.

Being involved in technology solutions queries from the beginning of a project enables True Colours to ensure the best advice is given to our customers. If you haven't already, give us a call and see what we can do for you.

A big thank you to our existing customers for investing in us to help you.

For those new to the True Colours experience, we look forward to working with you.

Best regards,

Scott Pollard, Sales Manager
scott.pollard@true-colours.net

The Midwich Group

With its associated companies, the Midwich Group serves more than 7,000 customers in the UK, Ireland, France, Germany and Australia. A raft of industry awards, awarded through customer votes and vendor recognition spanning many years, are testament to our service and expertise. We have made The Times Top Track 250 list for the past four years in succession and, with expertise in AV, consumer electronics, Pro Audio and network systems, we deliver the complete solution and service expected from Europe's leading AV distributor*.

midwich	**OWL VISUAL**	**truecolours**	**squareone** a Midwich Group company	**whichlamps**	**invisionuk**
www.midwich.com	www.owlvisual.co.uk	www.true-colours.net	www.squareone.ie	www.whichlamps.com	www.invisionuk.com
midwichsecurity distributing intelligent solutions	**midwich**Home	**sidev**	**rwsalt** technical audio specialist	**idt**	**KERN STELLY**
www.midwichsecurity.com	www.midwichhome.com	www.sidev.fr	www.rwsalt.co.uk	www.idt.com.au	www.kern-stelly.de

* Futuresource Consulting

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total management solutions brought to you by industry experts

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Take a look inside...

market sectors

Throughout this guide we will show you which products are used in today's most popular solutions.
Keep an eye out for these key symbols.

Education   Retail   Public Sector   Corporate   Leisure & Hospitality   Transportation   Residential   Command & Control   Data Centres   Healthcare

working together

How do you benefit from working with the specialist teams in the Midwich Group?

Value Added Services

We are a family of 100% trade-only distribution technology specialists and our comprehensive range of services can assist the profitable growth of your business.

We are forever aware of changes in the market and, as such, have a business model which is both flexible and creative, and we will continue to identify and develop new growth opportunities.

When combined, we are able to provide a level of service and expertise unparalleled in the industry. We encourage you to explore the full scope of benefits that the Midwich Group can offer. Discover for yourself what our expert teams can do to help you achieve your goals.

Working with us you should expect excellent service, we pride ourselves on our values in offering you the best by having industry specialist's knowledge, technical know-how, technical resource, and the best products and technologies we can provide:

Specialist knowledge

We have years of experience which you can call on to help you understand the market and plan and execute your business strategy. Technical know-how that is second to none.

- Long serving staff, committed to service and value
- Over 30 years' trading experience
- Excellent market intelligence from industry experts

Technical know-how

Our experts are here to complement the technical knowledge of your team.

- System and network design
- Site surveys and advice
- Pre-built configurations to your specifications
- On-site commissioning of projects

Resource

Our sales team is happy to support your team in achieving its goals.

- Demonstration units and training facilities
- On-site product training when required, including new technologies
- External sales resource
- Product and staff support for shows and exhibitions
- Merchandising facilities

Credit Intelligence Alerts

Sign up for our FREE Credit Intelligence Alerts, a service that provides you with advice on how to protect your company against fraud and gives you the opportunity to receive communications concerning suspicious addresses as and when they arise.

Free finance solutions

We understand that finding finance for larger deals is not always easy. It can put pressure on your cash flow, margins and your existing credit limits. To make things easier for you, we have a range of finance solutions to help ease the pressure, including end-user billing and bespoke credit facilities. Speak to us to make sure you can make the most of business opportunities.

Free credit services

To protect yourself from debt, it is vital to make sure you have conducted thorough background checks. We can help you look after your interests with free credit intelligence to give you an added level of financial security and to reduce the risk of bad debt. Our industry is liable to many credit and cash flow challenges, but our expert, in-house credit team can deliver the advice and services you need to operate in the highly competitive IT and AV marketplace.

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Together
we can do more...

Specialist Technologies

Broadcast

Working with the leading broadcast and professional video brands to create solutions which deliver opportunities for our customers to expand into new areas.

- Live streaming
- Mixers
- Production switchers
- Record/storage
- Studio software
- Switchers
- Lenses
- Cameras

Video conferencing

Dealing with solid, proven companies and technologies, our specialists can help in all aspects of cost- and time-saving VC solutions. With continued growth in BYOD and mobile VC technology, Midwich has the knowledge and experience required to expand or develop your business in this market.

- Desktop
- Infrastructure
- Mobile
- End points

Connected technologies
to help you grow your business

Video

Offering the best technical AV products and solutions. This, coupled with a professional policy to support our dealers and their staff with product information, guidance, demonstrations and comprehensive training if necessary, is what sets us apart in the industry.

- Wireless collaboration
- Digital signage
- Digital and analogue signal management
- IPTV and streaming media
- Image processing and manipulation
- Room booking solutions
- Control systems
- Multi-display production
- Connectivity
- Command and control solutions

Audio

Audio specialists RW Salt are renowned as leaders in the industry. With unparalleled knowledge and comprehensive pre- and post-sale support, our audio division offers all leading brands with a level of expertise and service that is, quite simply, the best in the business.

- Induction loops
- Voice evacuation systems
- Speakers
- Microphones
- Headphones
- Amplifiers
- Mixers

Network operations

The synergy between AV and IP security technologies has never been closer. With site visits, training, expert advice and comprehensive support, the Security team can help you to unlock new revenue streams, whether you are established in the market or looking to expand into new areas.

- Cabling and infrastructure
- Switchers
- Power supplies
- Access control
- PIR detectors
- Cameras
- Thermal cameras
- Recorders
- Monitors
- Lenses

Global Leader in Enterprise IPTV

Exterity products enable organisations to securely play, record, schedule and distribute HD quality TV and video content over IP networks to an unlimited number of end points.

AvediaStream
TVgateway g4340

AvediaStream
Encoder e3655

AvediaServer
c1510

AvediaPlayer
Receiver r9200

streaming media

exterity ®

AvediaServer Software

An Exterity AvediaServer consists of three server platform and software module options, delivering varying levels of functionality depending on budget, criteria and scope of the IPTV system it is provisioning.

AvediaServer Director

AvediaServer Director is a set of system administration functions to control and monitor activity across an IPTV system.

- Management of the IPTV system
- Channel Monitor
- Users

AvediaServer Producer

AvediaServer Producer combines AvediaServer Director system management with additional functionality to customise system controls, client interaction and user interfaces.

- AvediaServer Director
- Artio Portal enterprise IPTV middleware
- Artio Desktop media player
- EPG Server

AvediaServer Creator

Headlining the AvediaServer Creator module is its suite of media asset management options. The most advanced module, AvediaServer Creator brings together all the functionality from AvediaServer Director and Producer.

- AvediaServer Director
- AvediaServer Producer
- Video on Demand
- Play
- Recorder
- Media asset management
- Artio Multiview

Artio

AvediaServer now includes new enterprise middleware to manage end point presentation and interface experiences. Exterity customers use Artio to customise the design and brand of multiple portals and channel viewing options to meet their own unique requirements.

Introducing Artio

AvediaServer now includes new enterprise middleware to manage end point presentation and interface experiences. Exterity customers use Artio to customise the design of the user interface to create their own branded 'look and feel'.

Artio Portal

Artio facilitates the creation and management of customised TV, Video on Demand, radio and interactive pages - tailored for individuals or groups of viewers across any screen or device - providing greater flexibility for user engagement.

Artio Desktop

Artio Desktop is a media player that instantly gives PC and MAC access to all TV and video content by simply clicking a link. Artio Desktop supports live TV, VoD and provides a comprehensive EPG.

Artio Multiview

With Artio Multiview, multiple video streams can be watched at once, allowing IPTV system administrators to monitor a mosaic of channels simultaneously.

Request more information and a demonstration of Artio products

Exterity Partners can access Artio Portal templates from the Exterity Partner Hub at www.exterity.com

AvediaServer Platforms

AvediaServer Hardware Platform
c1555

The c1555 provides an enterprise class hardware platform for larger AvediaServer installations. With up to 14 Terabytes of RAID (Redundant Array of Independent Disks) storage and dual redundant power supplies the c1555 delivers first class performance and reliability for the most demanding of IP networks.

AvediaServer Hardware Platform
c1510

The c1510 Hardware Platform contains a media disk in a compact 1U rack mounted package, ideal for small to medium enterprise IPTV environments.

Additional Features

There are additional features available to extend the scope of an AvediaServer.

ARRIS SecureMedia Encryptonite ONE™ System
AvediaServer for integration and use with SecureMedia content encryption.

PMS
Enable and configure AvediaServer for full interoperability with Hotel Property Management Systems.

AvediaServer Virtual Platform
v1600

A new flexible version of AvediaServer the v1600 is designed for installation onto an existing virtual machine such as VMware. Sitting in a virtual machine environment the v1600 benefits from expedited installation and minimises rack space and power requirements.

AvediaStream TVgateways

AvediaStream TVgateways capture live digital TV and radio from any terrestrial, satellite or cable source and stream it directly across an IP network. TVgateways supply multiple channels at any resolution from a single blade, delivering lower cost and power consumption per channel.

Exterity TVgateways support the widest range of digital TV standards: DVB-T/T2, DVB-C, DVB-S/S2, ATSC, Clear QAM, ASI and descramble encrypted content using standard Conditional Access Modules (CAMs).

Exterity meets the demand for secure delivery of valuable content with the addition of support for High-bandwidth Digital Content Protection (HDCP) v2 in head-end products, to sit alongside more established SecureMedia encryption and the interoperability of Exterity TVgateways with industry leading Conditional Access Systems (CAS).

AvediaStream g4330 DVB-T Gateway

- Provide live terrestrial news, sports, entertainment and educational TV
- Two DVB-T tuners per blade for twice the number of potential TV or radio channels compared to single tuner devices
- Stream both SD and HD channels simultaneously

AvediaStream g4340 DVB-T/T2 Gateway

- Two tuners each supporting a combination of DVB-T, DVB-T2 or DVB-C formats
- Stream DVB-T2 channels from multiplexes with data rates up to 50Mbps or DVB-C channels up to 51Mbps

AvediaStream g4310 DVB-S/S2 Gateway

- Each tuner supports satellite DVB-S or DVB-S2 format
- Stream any combination of SD or HD FTA channels from each tuner up to 80Mbps
- Stream DVB-S2 channels from multiplexes with data rates up to 72Mbps

AvediaStream g4315 DVB-S/S2 Gateway

- Descramble and distribute encrypted and FTA content from two DVB-S/S2 satellite sources
- Two tuners combined with two DVB-CI CA slots for scrambled and FTA channels
- Interoperates with a wide range of commercial and professional CAMs

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Video over IP Solutions for Every Market

Real Time Breaking News & Financial Updates

Network Video & Corporate Information Channels

Offshore Crew Entertainment

Monitored Broadcast Output

Branded User Interfaces

Passenger Updates & Announcements

Live & Scheduled Play

Video Libraries of Teaching Materials

Patient Bedside Entertainment

HD Streaming for Venues

AvediaStream Encoders

Exterity Encoders stream live and pre-recorded video and audio over an existing IP network and seamlessly integrate with any Exterity IPTV solution or industry standard IPTV equipment.

AvediaStream Encoders create a single MPEG channel from the output of various video devices. These include video cameras, DVD/Blu-ray players, digital signage systems, personal computers or set-top boxes delivering premium TV channels.

Exterity meets the demand for secure delivery of valuable content with the addition of support for High-bandwidth Digital Content Protection (HDCP) v2 in Head-end products.

AvediaStream e3635 Encoder

- Accepts a wide range of video input resolutions and scales to standard TV resolutions
- MPEG-2 or H.264 video encoding
- 1080i, 720p, ED, SD or Sub-SD encoding
- MPEG-2 AAC or MPEG-1 Layer II audio encoding
- Video input options: HD AV, RGBHV or YPbPr
- Audio input options: HD AV, Unbalanced Stereo or S/PDIF

AvediaStream e2320 Encoder

- Outputs MPEG-2 Transport Stream over UDP or RTP as IP multicast or unicast stream
- Dual encoder in single blade for cost-effective installations
- MPEG-2 or H.264 video encoding
- SD or Sub-SD encoding
- MPEG-1 Layer II audio encoding
- Video inputs: Composite, SD Component, RGBS, S-Video (adaptor required)
- Audio inputs: Unbalanced Stereo

AvediaStream e3655 Encoder

- Outputs MPEG-2 Transport Stream over UDP or RTP as IP multicast or unicast stream
- MPEG-2 or H.264 video encoding
- 1080i, 720p, ED, SD or Sub-SD encoding
- MPEG-2 AAC or MPEG-1 Layer II audio encoding
- Video input options up to 3G SDI
- Audio input options: Embedded audio or S/PDIF
- SDI pass-through output for chaining devices

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AvediaStream Transcoder

The AvediaStream Transcoder converts video content to alternative bit rates, resolutions and codecs enabling video to be streamed to a wide range of devices or to remote locations.

Transcode

...and downscale streams to suitable formats for legacy SD decoders.
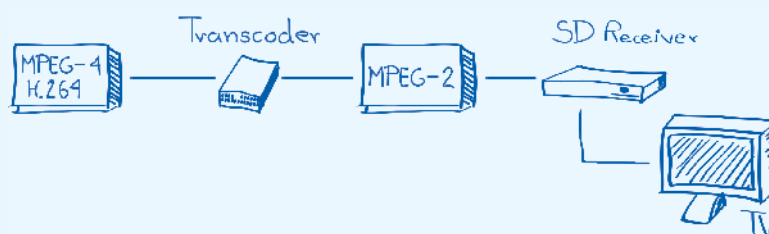
Transrate

...streams to allow delivery to destinations where bandwidth is limited.

Transcast

...between unicast and multicast, and vice versa, for site-to-site transmission and distribution.
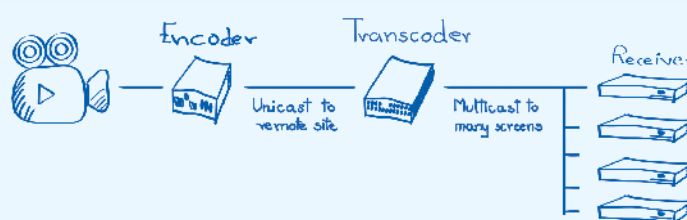
HDCPv2

Exterity is the premier manufacturer of enterprise video over IP technologies to meet exacting digital content protection protocols by embedding HDCPv2 into Avedia head-end and receiver clients. As the only content protection technology to secure the complete video path across an IP network, from HDCP video source to HDCP end point, any business wishing to show Blu-ray or other HDCP protected content can confidently do so, safe in the knowledge that their Exterity system is truly secure and compliant with HDCP.
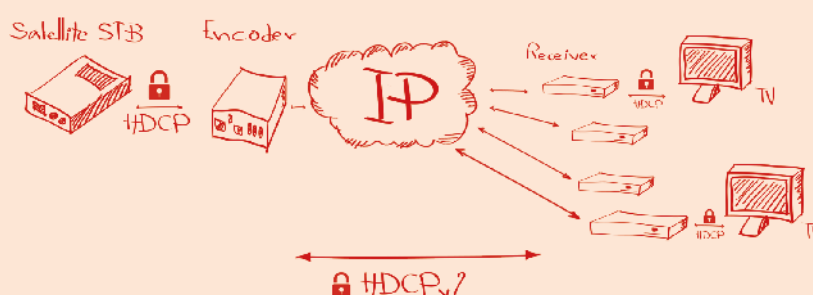
AvediaStream Chassis

Exterity AvediaStream TVgateway, Encoder and Transcoder blades must be installed in an AvediaStream Chassis. Designed to meet a number of organisational and budget requirements, AvediaStream Chassis are all hot swap enabled allowing removal and replacement of AvediaStream blades without the need to power down the whole unit, saving time and avoiding disruption to other blades operating in the same environment.

AvediaStream c1101

- Compact unit providing one video feed
- Perfect for smaller installations or organisations requiring specific additional features

AvediaStream c1103

- Supports three blades with a common power supply
- Expands your possibilities with simultaneous support for both encoders and TVgateways
- 1U 19" rack

AvediaStream c1210

- Our largest and most advanced IPTV chassis supports 10 blades with built-in redundancy
- Passive backplane for high performance
- Redundant power supplies for higher availability
- Hot swap cooling fans allow replacement without the need to power-down the unit
- 4U 19" rack

AvediaStream Chassis Monitor

- The AvediaStream Chassis Monitor adds hardware monitoring to the Exterity 10 blade chassis (c1210).
- Early warning of issues and changes via SNMP traps
- Integration into IPTV control systems
- Hot swap blade allows quick and non-intrusive upgrade to existing installations using Exterity c1210 chassis
- Improves overall IPTV solution reliability
- Visual indication of chassis and blade status via front panel LEDs

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AvediaPlayer Receivers

AvediaPlayer Receivers are compact, HD ready set-top boxes that connect any screen to an existing IP network, enabling the receipt of live or recorded video streams. With centralised administrator control from the multi-service AvediaServer, Exterity Receivers are easy to install with intuitive and customisable web-based user interfaces.

Video Wall

Exterity Receivers can display content as a video wall. Each individual screen requires direct connection to a dedicated Receiver, resulting in no limit to the number of screens used or formation of the video wall.

Each screen in the video wall can be set to display unique content, a single channel or video source can also be split across any or all of the screens in the video wall, or the Receivers can be set to display a combination of shared and separate video. Unit-to-unit sync is within a frame, so large displays can be created from multiple screens.

AvediaPlayer r9200 Receiver

The AvediaPlayer r9200 connects an SD or HD TV to your existing IP network to receive digital TV channels and other video sources. It features a single Ethernet port and an HDMI output in a compact form factor with the lowest power consumption of all Exterity Receivers.

AvediaPlayer r9210 Receiver

The AvediaPlayer r9210 can connect almost any TV or AV display to your IP Network. Building on the foundation of the r9200, it adds additional analogue outputs to extend the life of existing AV equipment and is the most versatile of Exterity Receivers.

AvediaPlayer r9220 Receiver

The AvediaPlayer r9220 combines the delivery of SD or HD video with three additional Ethernet ports that enable organisations to provide additional services (such as voice, Internet access and business applications) via one device for lower capital and operating costs.

lecture capture

Lumens™
Brighter Teaching

Lumens Digital Optics Inc., a Pegatron Group company, is a leader in optical products. Lumens' product offerings include portable document cameras, desktop document cameras, a ceiling document camera, HD PTZ cameras, and projection engines.

High Definition Video Cameras

LUMENSVCG30 and LUMENSVCG50

The Lumens™ VC-G30 and VC-G50 HD Pan/Tilt/Zoom (PTZ) cameras are equipped with a professional 1/2.8inch image sensor with Full HD-100p output resolution at high dynamic image 60 frames per second. The superior optical zoom lens (VCG30 = 15x, VCG50 = 20x) offers excellent white balance, and exposure mode delivers a clear image even in low light or extreme contrast of brightness and darkness of a conference room. VC-G30 and VC-G50 are ideally situated for lecture recording, video conferencing and security surveillance systems delivering a continuous, clear and vivid live image without distortion.

Features and benefits:

- Full HD 1080p supported High Definition signal output format
- High frame rate supporting 60 frames per second
- Up to 128 user defined preset modes to allow ease of use in all environments
- Fast response delivers extremely clear image without blur even while being operated
- High speed, stable, quiet and positioning precisely ensure image quality
- Compatible with major video conferencing and lecture capture codec

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Lumens™
www.MyLumens.com

Full HD 1080p PTZ Cameras
Lecture Capture, Video Conferencing, and broadcasting
1080p | 60fps | 5x / 15x / 20x | DVI / 3G-SDI / IP

Full HD 1080p

Compact Camera Controller

- Joystick for Pan/Tilt/Zoom and focusing
- Allows long-distance communication
- Multi-level protection
- Auto backlight keys

Capture Card

- Support up to 1080p HD Full HD resolution
- Full-ranged HD inputs:HDMI, DVI-I, component and SDI connector

lecture capture

Web Lectures given a New Dimension, Varied; Dynamic and Interesting

Today's students expect enhanced learning experience with new technologies. Presentations 2Go is providing complete lecture recording solutions, from Flipped Classroom to automated campus wide Lecture Capture and MOOCS. Solutions for live and on-demand webcasting with live note taking, video uploads, assignments, rating, statistics and integration into learning management systems.

This is a complete solution for any business or education institute looking for a live and on demand lecture capture and video platform. Users can upload their own video or audio files to a secure environment, and use the video portal to share them with other users. Use Presentations 2Go high-end recording solutions to automatically record lectures and synchronise HD video and slides and send them out live. They can also be made automatically available on demand.

Presentations2Go™ Pro

Professional Lecture Capture and Webcasting Software

Introducing the high-end Presentations 2Go™ Pro software for live and on-demand high-quality lecture capture and web casting with professional equipment. Producing and delivering HD recordings simultaneously of your capture device, microphone, and connected cameras. Easy to install on notebooks, classroom- and podium computers with smart room integration.

Presentations2Go™ Capture

HD Rich Media Recording Software

Simple to use rich media recording software. One click producing and delivering HD recordings simultaneously of your screen or capture device, microphone, and connected cameras. Freedom to create and edit customised rich media content. Save recordings for on-demand use, capture live feeds from multiple cameras and slide sources, see all sources at a glance and switch on the fly. Used for on-demand recording of events, lectures, presentations, high-quality screen casts, video conferencing.

Presentations2Go™ FlipClass

Turn teaching inside out, recording short video lectures and organising one click live webinars with interaction

Start flipping your classroom in a simple 1-take style with the included HD FlipCam and recording software. Easily capture your screen, audio and video and create FlipClass recordings from wherever you are with no technical support.

Organise live webinars and publish your FlipClass recordings to myFlipClass.com (free subscription), Presentations 2Go video server or export on-demand video lectures to YouTube with the included rich media editor.

Presentations 2Go FlipClass includes:
- HD FlipCam with microphone
- FlipClass recorder software and editor
- 1-year free subscription myFlipClass.com

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Discover more on www.presentations2go.eu

PRESENTATIONS 2GO™

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Lecture Capture &
Media Management**

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control solutions

market sectors

Vision
Since the inception of AMX over 30 years ago, the vision of AMX has remained the same – to develop innovative technologies that simplify the world.

Mission
AMX provides the best-in-class solutions for simplifying the implementation, maintenance and use of complex technology.

Strategy
AMX focuses on developing targeted solutions that meet the ever-evolving technology needs of customers in multiple vertical markets. AMX technology can automate and control all the electronics and content needed for world-class corporate communication and operation. That's why many Fortune 500 companies use AMX.

AMX Certified Expert (ACE) program with AMX Solutions Master (ASM) program

AMX is proud to offer the AMX Certified Expert (ACE) program, giving special credit and recognition to the individuals and companies who have gone above and beyond to become certified.

The AMX Solutions Master (ASM) program certifies individuals who are capable of integrating complete AMX solutions and technologies, made up of the following ACE certifications:

- ACE Design Expert (ACE-D)
- ACE Installation Expert (ACE-I)
- ACE Programming Expert (ACE-P)
- ACE RMS Expert (ACE-RMS)
- ACE Digital Signage Expert (ACE-DS)
- ACE Integration Expert (ACE-INT)

control solutions

AMX

Modero X Series

The latest edition to AMX's award-winning Modero Control Panel range is the Modero X Series/G5 family of frameless, panoramic and widescreen control panels.

Offering an intuitive user experience and a truly ergonomic design, the Modero X Series redefines control panel technology by giving users a new 'control surface' on which to perform multiple activities, all at the same time. Putting a new perspective on the concept of control panel design, the Modero X Series combines edge-2-edge glass and a low-profile, to deliver a more usable space and a richly engaging user experience.

Features and benefits:

- **New G5 graphics engine** – renders graphics faster and smoother for an even better looking user experience
- **New Quad core processor** – provides improved processing power to run the most demanding applications today and for years to come
- **Built-in web browser and document viewers** – conveniently simplifies accessing and presenting documents during meetings
- **More mounting options including flush wall mount and secured lectern/table mount** – now available in a sleek, in-wall/lectern/table mounting solution for enhanced aesthetics and theft deterrence
- **Deploy and update touch panel files** from a network URL to simplify touch panel file management

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Modero S Series

Meeting room availability and scheduling can be smooth and look like a thing of beauty. Place a Modero S Series Wall Mount Control Panel outside every meeting room to view the room schedule at a glance and even reserve it right there at the panel – and get all of this at a price that fits just about any installation budget.

Features and benefits:

- **Front-facing and side-facing room availability LEDs for 180° viewing** – Front-and side-facing LEDs make viewing room availability visible from any angle. Easily glance down the hall and determine whether meeting spaces are occupied no matter if they are being viewed straight on or from the side.
- **Architectural design consistency with both Modero S and X** – Available in 4.3", 7" and 10.1" in both table and wall mounts
- **Stylish mounting options for any surface including glass** – Use new Any Mount kits to install in any room with a light switch/gang box
- **SmoothTouch™ glass overlay technology** – Combines resistive touch and glass into a single overlay that is more rugged and has a greater tolerance to electrical noise than capacitive touch glass overlays. SmoothTouch is also ideal for its ability to connect with the user via indirect touches like a gloved hand, stylus, or prosthetic

All-In-One Presentation Switchers - Bringing the PERFECT MEETING Together

Enova DVX All-In-One Presentation Switchers are the centerpiece of the Perfect Meeting. They dramatically simplify AV control and distribution in conference rooms, classrooms and auditoriums and are ideal for any room with a mix of analogue and digital sources, multiple displays, or rooms that require support for video conferencing. Exclusive technologies like SmartScale® and InstaGate Pro® ensure perfect video scaling on every output and hassle-free HDMI/HDCP installations.

Other configurations available in both 10x4 and 6x3, visit **amx.com** for further information.

DVX

Includes 4 independent scaled HDMI outputs and 2 DXLink twisted pair outputs (unpowered) that mirror two of the scaled HDMI outputs.

DVX-3156HD-SP

Features and benefits:

- 10 video inputs:
  2x multi-format DVI
  (HDMI/HDCP capable)
  4x HDMI/HDCP
  4x DXLink
- Amplifier: 2x 25W - 8 Ohm

DVX-3150HD-SP

Features and benefits:

- 10 video inputs:
  4x multi-format DVI
  (HDMI/HDCP capable)
  6x HDMI/HDCP
- Amplifier: 2x 25W - 8 Ohm

DVX-2150HD-SP

Features and benefits:

- 6 video inputs:
  2x multi-format DVI
  (HDMI/HDCP capable)
  4x HDMI/HDCP
- Amplifier: 2x 25W - 8 Ohm

DVX-2155HD-SP

Features and benefits:

- 6 video inputs:
  2x multi-format DVI
  (HDMI/HDCP capable)
  2x HDMI/HDCP
  2x DXLink
- Amplifier: 2x 25W - 8 Ohm

Coming soon!

DVX-2110HD-SP / DVX-2110HD-T

Features and benefits:

- 4 video inputs:
  2x multi-format DVI (HDMI/HDCP capable)
  4x HDMI/HDCP
- Amplifier: SP model - 2x 25W - 8 Ohm
  T model - 75W - 70V/100V

scalability
productivity
operation

automate › **collaboration**

scalability
productivity
operation

Make the next meeting, the perfect meeting… with AMX.

Put AMX in control and meeting room technology problems become a thing of the past. The simplicity of touchscreen control and the unrivalled reliability of AMX combine to maximise productivity and efficiency, ensuring that technology enhances rather than detracts from the collaborative process.

AMX COMMERCIAL SOLUTIONS   AMX EDUCATION SOLUTIONS

Available on the App Store

AMX Europe   0207 652 9450   amx.com/eu   amx talk

AMX
AV FOR AN IT WORLD℠

enova

AMX

Digital Media Switchers - Now with Fibre!

New DXLink Fibre TX/RX and I/O Boards available in single mode or multimode; simplex or duplex are compatible with Enova DGX 8, 16, 32 and 64 Enclosures.

Even More High Powered

Enova DGX 8/16/32 Enclosures can now power even more devices over DXLink with new 1200 (DGX 32) and 850 (DGX 8/16) Watt power supplies - two per enclosure.

HDCP with Simplicity of Analogue
Hassle free plug and play operation eliminates the need for time consuming cumbersome work around tools to deal with HDCP key constraints and resolution incompatibilities.

All-in-one Control and Distribution Solution
Powerful combination of modular matrix switcher, built-in controller, embedded Ethernet switch and video scaling on every output simplifies the end-to-end distribution and management of audio, video and control throughout multiple rooms.

SOLECIS Digital Media Switchers

Coming soon!

Simplified Laptop and AV Switching Affordable Enough to be Installed in Every Huddle Space
Having the capability to easily switch between four, five or even eight guest laptops or other AV sources is a common need in small meeting rooms and huddle spaces, and previously required the expense of an all-in-one presentation switcher or dedicated switcher and controller. SOLECIS Digital Switchers combine a DXLink distance transport transmitter and digital switcher into a single, small form-factor device that can easily be installed and hidden under conference room tables. It can also be combined with other AMX products such as Enova DVX or DGX Switchers to expand source connectivity options in a variety of room applications.

Features and benefits:

- **Cost effective switching solution** – Offers an affordable solution for switching guest laptops and AV sources in huddle spaces and classrooms
- **Multiple video, audio and Ethernet USB inputs** – All the conference table connections you need are include for a simplified AV switching experience
- **Simple, elegant interface options** – Both HydraPort single button or Keypad modules can be used as the interface for an elegant table or lectern installation
- **Multiple configuration choices** - Choose from 4, 5 or 8 inputs depending on your switching needs

control solutions

AMX

TPControl Features Including Voice Control

TPControl Apps now include Windows support

Perfectly partnered with NetLynx Controllers

Touch Panel Control, the only AMX authorised product partner to provide touch panel functionality from Apple®, Android™ or Windows 8® devices, has added several exciting enhancements, including the ability to verbally, "voice-activate" control functions. Now you can simply say "adjust lights to daytime setting" and TPControl will do the rest - instructing your AMX control system to execute the requested action and confirm with the audio response "the lights have been adjusted to 50% of full brightness."

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Discover more at www.touchpanelcontrol.com

AMX

HydraPort

A new addition to AMX's HydraPort family, AMX are taking this popular connection system in a new direction. Sitting nearly flush with the mount's surface, even with the lid open, these stylish additions can easily connect and control laptops, projectors, document cameras, DVD players, audio equipment and other support devices. Completely configurable, these versatile modular units easily adjusts to the specific AV and power requirements of any room environment.

Introducing Retractable Cable Modules, Flat Cables and Power Modules

Retractable Cable Modules

Simple, compact design is 85% smaller than the competition.

HPX-AV101-HDMI-R
- Single HDMI module with retractable cable

NEW

NEW

HPX-AV102-RGB+A-R
- RGBHV video with stereo module with retractable cable

HPX-AV101-DP-R
- DisplayPort module with retractable cable

HPX-N101-ETH-R
- Single Ethernet RJ45 with retractable cable

Flat cables

Simple, compact design is 85% smaller than the competition.

CBL-HDMI-FL-16
- HDMI high speed flat cable with RedMere® technology, 16' 5" (5m)

CBL-DP-FL-16
- DisplayPort to HDMI flat cable with RedMere® technology, 16' 5" (5m)

CBL-ETH-FL-16
- Ethernet flat cable, 16' 5" (5m)

CBL-RGB+A-FL-16
- RGB with audio flat cable, 16' 5" (5m)

Power Modules

HPX-P250-PC-MULTI
- For HPX-600, 900 and 1200 Power Outlet Modules (Multi-region Module)

Coming soon!

control solutions

AMX | RPM

Room Automation Configuration Software

Create the Perfect Meeting in Under an Hour

You need to create an environment to hold the perfect meeting – where your presentation material, video, audio and room control technology work together seamlessly to make your meeting a success.

But why do so many meetings fail? It's frequently because of difficulties with the technology that manages the crucial presentation material in your conference rooms and classrooms. The system is too complex, it's unreliable, or it's a nightmare to set up and configure in the first place.

Rapid Project Maker (RPM) is an application designed to eliminate your meeting room technology problems. AMX leveraged decades of experience to bring you a software system that guides you through the process of setting up all of your conference room or classroom technology quickly, easily and reliably - so that everything works perfectly from the start.

For complete details and to get started with RPM today, visit the RPM Portal at **www.amxrpm.com**.

Design, Configure, Deploy

■ Design, configure, and deploy AMX systems in less than an hour

■ Now featuring dual room configuration: automate two rooms with a single Enova DVX

Without RPM
Automating a conference room is:

■ **Difficult**
Requires extensive programming skills

■ **Time consuming**
Takes days or weeks to program a system

■ **Expensive**
Programming costs can consume a budget

■ **Unreliable**
Complex programming can lead to complex and unreliable installations, resulting in failed meetings

■ **Inconsistent**
Custom programming is difficult to replicate

With RPM
Automating a conference room is:

■ **Simple**
No programming or sophisticated technical knowledge required

■ **Fast**
Set up a complete system in an hour or less that works perfectly from the start

■ **Affordable**
RPM is free and eliminates expensive programming and integration costs

■ **Rock-Solid**
RPM system designs and code are tested and backed by AMX, resulting in the perfect meeting

■ **Easy to duplicate**
Projects are saved to the AMX Cloud and can be deployed to any number of similar rooms

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enzo

AMX

Enzo

Enzo is a content sharing platform purposely designed for meeting rooms, classrooms and other collaboration spaces, providing instant access to a wide variety of content and web conferencing services.

NEW   **Screen mirroring from laptops/smartphones/tablets**

NEW   **Integrated web conferencing**

Features and benefits:

- Mirroring using MirrorOp
- Web conferencing
- Configure using Rapid Project Maker (RPM)
- "Instant-on" file and web browsing
- IT friendly
- End of session data purge
- PoE, pass-through Ethernet and small form factor

Sereno Video Conferencing Camera

As more and more meeting collaborators take advantage of the efficiencies and cost savings created by web conferencing, more meetings can take place no matter where the attendees are located. Sereno is the first video conferencing camera purposely designed to support web conferencing in huddle spaces and smaller meeting rooms and perfectly complements the Enzo Content Sharing platform.

- **From any angle** - The included swivel base makes it simple to ensure Sereno can capture the view regardless of room layout or display location
- **Enzo friendly** - Sereno perfectly complements the Enzo Content Sharing Platform to complete a turnkey meeting room solution
- **Go wide** - With an ultra wide field of view, web conference participants can easily see everyone in the room no matter where they're sitting
- **Mechanically secure** - Electronic audio and video shutters don't offer the simple reliability that Sereno's mechanical shutter provides business and government clients

Coming soon!

Features and benefits:

- 1080p HD video quality
- Microphones focus on voices
- Ultra wide field-of-view
- Mechanical video/microphone shutter

Quick facts Sereno video conferencing camera

- **Camera resolution** - Up to 1920x1080 @ 30 fps
- **Mounting option** - Swivel base for mounting above or below display. Base includes tripod mount
- **Power consumption** - 5V / 500mA max
- **Dimensions (HWD)** - $1^3/4$" x $7^5/16$" x $1^1/2$" (4.4cm x 18.5cm x 3.9cm)

Bringing the World Together and Empowering HD Web Conferencing – One Huddle Space at a Time

AT-PRO3HD66M

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PROFESSIONAL

8:8 HDMI Matrix Switcher over Twisted Pair
AT-PRO2HD88M

connectivity

market sectors

Atlona PRO2HD Matrix Switcher Family

Atlona 16 x 16 HDMI to HDBaseT Matrix Switcher
ATL-PRO2HD1616M

Atlona 8 x 8 HDMI to HDBaseT Matrix Switcher
ATL-PRO2HD88M

The PRO2HD Matrix Switchers offer the largest matrixes of the PRO family, with HDBaseT signal transmission up to 328 feet (100 metres) to eight or sixteen zones. Advanced IR control routing enables simpler system design. Easy-to-pull, field-terminable cable makes installation easier for large and complex spaces. An external redundant power supply means reliable performance every time.

Atlona Advantages

HDBaseT extends HDMI video, multi-channel audio, and control signals up to 328 feet (100 metres)

More control RS-232 and bi-directional IR for third-party-controller compatibility

Redundant power supply in case of power supply failure

Faster, better EDID management with presets loadable to any source in the matrix

Easier installs with easy-to-pull, field-terminable cable

16 or 8 zones for larger residential or commercial AV installations

Compatible Receivers

ATL-PRO2HDREC –
Required for use with PRO2HD Matrix Switcher family
■ Atlona HDBaseT box HDMI receiver with IR and RS-232
■ Pass-through of 1080p or 1920x1200, 3D, 2-channel and multi-channel audio, bi-directional RS-232 and IR signals

connectivity

Atlona PRO3HD Matrix Switcher Family

Atlona 6 x 6 HDMI to HDBaseT-Lite Matrix Switcher
ATL-PRO3HD66M

Atlona 4 x 4 HDMI to HDBaseT-Lite Matrix Switcher
ATL-PRO3HD44M

The PRO3HD family is Atlona's best value for matrix switchers, with HDBaseT-Lite technology, complete control and an easier install at the right price point. The PRO3HD for four zones or six zones supports distances up to 230 feet (70 metres) with control of connected devices via IR and RS-232. With Power over Category cables (PoCc™) this is the robust, cost-effective choice for medium-sized or more compact residential and commercial AV installations*.

Atlona Advantages

HDBaseT-Lite extends HDMI video 1080p (1920x1200), multi-channel audio, and control signals up to 230 feet (70 metres)

Complete easy control via TCP/IP, and bi-directional IR and RS-232 that's compatible with third-party controllers

Ultimate audio S/PDIF outputs for each channel enables connection to zone amplifiers, and mirrored HDMI outputs get even Dolby TrueHD or DTS-HD Master through an AVR

Faster, better EDID management with presets loadable to any source in the matrix

Easier installs with easy-to-pull, field-terminable cable

* Matrixes can also be controlled via web interface/TCP/IP

Compatible Receivers

ATL-PRO3HDREC -
Preferred for full functionality
- Atlona HDBaseT-Lite box HDMI receiver with IR and RS-232
- Our PRO3HD Receiver offers pass-through of 1080p or 1920x1200, 3D, 2-channel and multi-channel, audio and bi-directional RS-232 and IR signals

ATL-HDRX-IR -
- Atlona HDBaseT-Lite RX HDMI box with IR
- The value receiver for more compact spaces, with distance up to 230 feet (70 metres)

ATL-HDRX -
New Atlona HDBaseT-Lite RX HDMI box
- The exceptional value receiver for compact spaces that don't need control

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4 x 4 and 8 x 8 HDMI Matrix Switchers

Atlona's H2H (HDMI-to-HDMI) Matrix Switchers simplify multi-room distribution and they're easy to upgrade. IR and RS-232 control options are more compatible with more control systems. Built-in EDID management, EDID learning, and programmable memory presets, four or eight zones. Pair H2H Matrix Switchers with TX and RX boxes for extension up to 100 metres.

Atlona 4 by 4 HDMI Matrix Switchers
ATL-H2H-44M

Atlona 8 by 8 HDMI Matrix Switchers
ATL-H2H-88M

Multiple control options, HD resolutions, and the best audio, the Atlona 8 by 8 and 4 by 4 HDMI Switchers are built for your home and professional needs. With the ability to pass 1080p, 1920x1200, all Lossy and Lossless audio formats (including Dolby TrueHD and DTS-HD Master Audio) and full 3D, providing a full range of features that ensures the highest quality experience whether you're watching a movie, giving a presentation, and more.

connectivity

Atlona RSNET, IR and HD Extender Family

HDBaseT TX and RX HDMI Box with Ethernet, RS-232 and IR
ATL-HDTX-RSNET and ATL-HDRX-RSNET

Atlona Advantages

HDBaseT transmits power to the receiver via PoCc for 328 feet (100 metres) of uninterrupted signal

PoCc combines audio, video, bi-directional IR, RS-232, Ethernet and power in a single category cable, so there's no need for a power supply at the receiver

Captive-screw terminations for power and control help reduce wire bundles for cleaner racks and more reliable connections

Resolutions up to UltraHD (4Kx2K)

Atlona HDBaseT TX and RX DVI Box with Ethernet, RS-232 and IR
ATL-DVITX-RSNET and ATL-DVIRX-RSNET

Atlona Advantages

HDBaseT transmits power to the receiver for 328 feet (100 metres) of uninterrupted signal

HDBaseT with Power over Category cable (PoCc) combines audio, video, bi-directional IR, RS-232, Ethernet and power in a single category cable so there's no need for a power supply at the receiver

Resolutions up to UltraHD (4Kx2K)

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Atlona RSNET, IR and HD Extender Family continued...

HDBaseT-Lite TX and RX HDMI Box with IR
ATL-HDTX-IR and ATL-HDRX-IR

Atlona Advantages

HDBaseT-Lite transmits power to the receiver via PoCc for 230 feet (70 metres) of uninterrupted signal

PoCc combines audio, video and bi-directional IR and power in a single category cable so there's no need for a separate power supply

Smaller form factor, so boxes can be mounted behind a TV or rack with no distracting cables

Additional features

- DTS-HD Master Audio and Dolby TrueHD audio plus 3D pass-through
- Locking HDMI port
- Includes dual purpose wall / rack mount ears
- Compatible with distribution amplifier family

HDBaseT-Lite TX and RX HDMI Box
ATL-HDTX and ATL-HDRX

Atlona Advantages

HDBaseT-Lite transmits power to the receiver via PoCc for 230 feet (70 metres) of uninterrupted signal

PoCc combines audio, video and power in a single category cable so there's no need for a separate power supply

Smaller form factor, so boxes can be mounted behind a TV or rack with no distracting cables

Additional features

- DTS-HD Master Audio and Dolby TrueHD audio pass-through plus 3D pass-through
- Locking HDMI port
- Includes dual purpose wall / rack mount ears
- Compatible with distribution amplifier family

Atlona HDBaseT TX and RX HDMI Rental / Staging Box with etherCON, Ethernet, RS-232 and IR
ATL-HDTX-ROADNET and ATL-HDRX-ROADNET

Atlona Advantages

HDBaseT transmits power to the receiver for 328 feet (100 metres) of uninterrupted signal
HDBaseT with Power over Category cable (PoCc) combines audio, video, bi-directional IR, RS-232, Ethernet and power in a single category cable so there's no need for a power supply at the receiver
Neutrik etherCON connectors for HDBaseT link for easier installation and more reliable connections
EMI shielding

Additional features

- Supports all embedded audio signals including Dolby TrueHD and DTS-HD Master Audio
- Locking HDMI ports
- Resolutions up to UltraHD (4Kx2K)
- Locking power connector on TX box
- Compatible with distribution amplifier family

connectivity

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Atlona HDBaseT Distribution Amplifier Family

Our HDMI-over-Category-cable family of DAs reaches longer distances while keeping installation and upgrade simple. They have fallback solutions should a power supply or source fail, so they're more reliable. This family includes value models with the same powerful features for more compact spaces.

Atlona 2 x 8 HDMI to HDBaseT Extended Distance Distribution Amplifier
ATL-HDCAT-8ED

Atlona 2 x 8 HDMI to HDBaseT Distribution Amplifier
ATL-HDCAT-8

Atlona 2 x 4 HDMI to HDBaseT-Lite Distribution Amplifier
ATL-HDCAT-4

Atlona Advantages across the HDBaseT Distribution Amplifier Family

Eight-zone support and extended distance
HDBaseT distributes up to 328 feet (100 metres) or 230 feet (70 metres)
Power over Category cable (PoCc™) eliminates the need for a power supply at the receiver
Auto-switched HDMI inputs change over should one source fail, plus redundant power supply in case of power supply failure
USB port means firmware can be upgraded in the field to save time and money

Additional features across the range
- Balanced analogue audio outputs with captive-screw terminations mean easier and more reliable connections and cleaner racks
- S/PDIF digital audio connection for home theatre systems
- EDID management for compatibility with multiple monitor types
- 3D pass-through, lossy and lossless audio pass-through (up to Dolby TrueHD or DTS-HD Master Audio)

Compatible Extenders

ATL-HDCAT-8ED
ATL-HDRX RSNET boxes and HDRX ROADNET boxes for rental or staging installations. Reach extended distances up to 100 metres with HDBaseT via PoCc.

Compatible Extenders

ATL-HDCAT-8 and ATL-HDCAT-4
Preferred extenders are ATL-HDRX and ATL-HDTX IR boxes with IR control or ATL-HDRX and ATL-HDTX boxes for spaces that don't require control. Value extenders for more compact spaces reach 70 metres with HDBaseT via PoCc.

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HDMI Distribution Amplifier Family

Ultra HD (4Kx2K) is the highest currently available resolution and Atlona's HDDA family is the first distribution amplifier available on the market that supports it (supports lower resolutions too). Ideal for TV showrooms with displays demonstrating cutting edge Ultra HD resolution. Optimal for digital signage applications that utilise Ultra HD.

Atlona 1 x 2 HDMI Distribution Amplifier
ATL-HDDA-2

Atlona Advantages

Passes ultra HD (4Kx2K)

Advanced EDID management learns reference EDID from first output device connected

Cascade up to 8 HDDAs (@1080p) for large systems

Supports 3D up to 48-bit Deep Colour

USB Port for updates in the field

Atlona 1 x 4 HDMI Distribution Amplifier
ATL-HDDA-4

Atlona Advantages

Passes ultra HD (4Kx2K)

Advanced EDID management learns reference EDID from first output device connected

Cascade up to 8 HDDAs (@1080p) for large systems

Supports 3D up to 48-bit Deep Colour

USB Port for updates in the field

Atlona 1 x 8 HDMI Distribution Amplifier
ATLHDDA-8

Atlona Advantages

Passes ultra HD (4Kx2K)

Advanced EDID management learns reference EDID from first output device connected

Cascade up to 8 HDDAs (@1080p) for large systems

Supports 3D up to 48-bit Deep Colour

USB Port for updates in the field

Additional features across the range

- Link status LED for source and outputs
- Pass through support of all Lossy and Lossless audio (up to Dolby TrueHD or DTS-HD Master Audio)
- Locking HDMI port
- Field serviceable firmware port
- Includes dual purpose wall/rack mount ears

connectivity

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Atlona HDBaseT Receiver Wall Plate Family

Atlona's HDBaseT extender family has new stars: our latest receivers feature HDBaseT and Power over Category cable (PoCc™), attractively housed in a slim and versatile wall plate. Options for distance, control, and price let you customise to get just what you need at your budget.

Features and benefits:

- **Go further:** Up to 328 feet (100 metres) or up to 230 feet (70 metres)
- **Power over Category cable:** PoCc eliminates the need for a power supply at the receiver – no need to install power at the wall plate
- **In-wall installation:** Designed for in-wall installation behind your display. PoCc requires no power outlet in the wall, so you save the cost of installing power
- **Choose the control you need:** Full control (Ethernet, RS-232, and bi-directional IR) or value model for spaces that rely on local control
- **Upgrade in the field:** Via USB port
- **Ethernet/Internet:** Allows in-zone internet access to any Internet-capable device. Smart TV's will allow internet access and apps

Atlona HDBaseT RX HDMI 1-Gang UK Wall Plate
ATL-HDWP-UK

Atlona HDBaseT RX 2-Gang Wall Plate w/Ethernet, RS-232 and IR
ATL-HDWP-RSNET

Atlona HDBaseT RX HDMI 1-Gang UK Wall Plate w/IR
ATL-HDWP-IR-UK

HDVS-Collection

Designed for simple low-cost systems in schools and businesses

Features and benefits:

- Connect HDMI and VGA/audio inputs
- Input selection
- Auto-switch senses when inputs are connected or powered on/off
- Panel button allows you to overwrite auto-switch and select the input you want
- 3rd party control RS-232 connection to allow input control through a control box
- Projector control turn projector on/off from wall plate. Optionally used to mute audio and video
- One cable no power required at wall plate. Wall plate can be up to 230 feet (70 metres) from display
- HDMI display connection for audio and video
- Balanced analogue audio de-embedded on captive screw connectors.
- Scaler assure compatibility of VGA and HDMI sources to any display. Adjust picture for best results. Configure output of the Scaler to match the native resolution of the connected display with resolutions up to 1920x1200 or 1080p

Atlona HDMI and VGA/Audio to HDBaseT Wall Plate
ATL-HDVS-TX-WP

Atlona HDBaseT to HDMI Extender/Scaler
ATL-HDVS-RX

Atlona Dual HDMI and VGA/Audio to HDBaseT Switcher
ATL-HDVS-TX

Atlona HDMI to HDBaseT Transmitter Wall Plate
ATL-HDTX-WP

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Atlona Converters and Scalers

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Atlona PC to HDMI Scaler / Converter
ATL-HD500

Additional features

- The ATL-HD500 is capable of accepting all PC resolutions up to 1920x1200 and is also capable of scaling from 1080p to 1920x1200
- Allows adjustment of contrast, brightness, hue, saturation, sharpness, RGB (colour balance) and aspect ratio size
- Supports high resolution output:
  PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA
  SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p (30/50/60)
- Supports analogue stereo and digital audio (optical) then outputs the audio to HDMI, TOSLink and mini stereo jack simultaneously

Atlona HDMI Multichannel to 2Ch Converter
ATL-HD-M2C

The Atlona HDMI Multichannel to 2Ch Converter provides a solution for multiple audio formats. The ATL-HD-M2C transmits its own multichannel EDID in place of any connected display's EDID, to ensure when there are multiple displays the connected source sends the highest audio possible. Once the audio is received, it is down converted to 2Ch and sent through the HDMI, optical, or L/R ports, while still passing the video.

Additional features

- Converts multichannel audio into 2Ch audio
- Audio EDID - replaces the display's 2Ch audio EDID with its own multichannel audio
- (Digital) coaxial/optical outputs for older AVRs with no HDMI support
- L/R audio output - for 2Ch amplifiers
- Supports pass through of up to 1080p or 1920x1200
- Compatible with most Lossy and Lossless formats
- LED audio status lights for all audio formats to determine incoming audio signals
- Plug & Play
- HDCP compliant

Atlona Stereo/Mono Audio Amplifier
ATL-PA100-G2

Small, energy efficient, and affordable, the Atlona Stereo/Mono Audio Amplifier fits the needs of most offices, classrooms, and more. Unlike traditional A/B amplifiers the Class D audio amplifier is energy efficient and easily integrated behind a TV where space is limited.

Additional features

- Requiring less power class D amplifiers use an efficient design that reduces size and cost.
- Use all the MICs using a captive screw connector and a 3 mode switch, the ATL-PA100-G2 changes to meet your needs
- Your control needs fully adjustable with RS-232, IR and panel buttons

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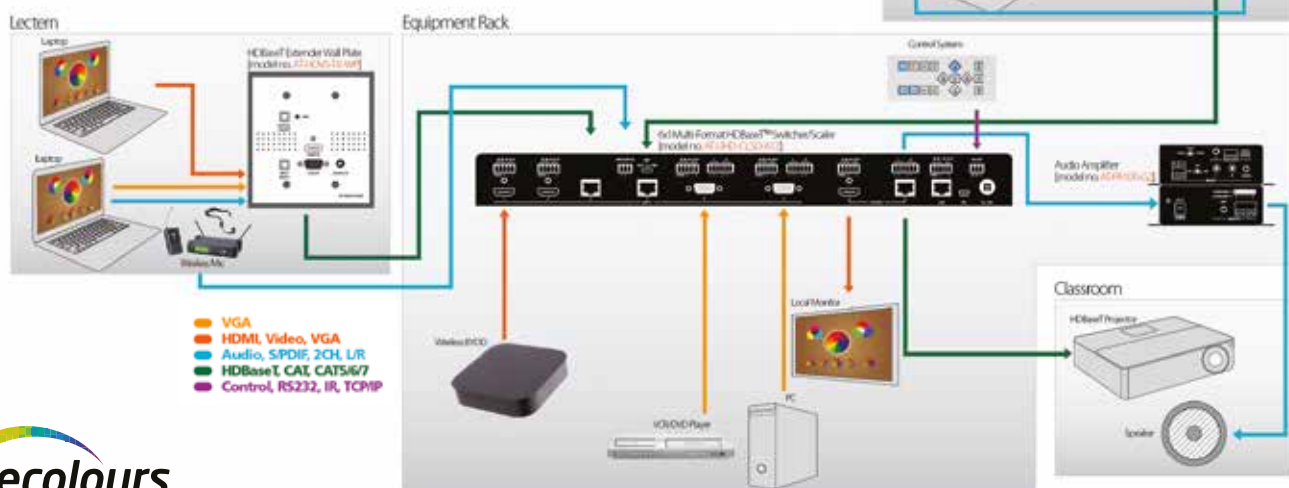
New Multi-format Switchers

Advanced Switcher for Classrooms and Business!

ATL-AUHDCLSO612 simplifies classroom or boardroom system design and installation. Easy integration of both new and legacy sources with HDMI displays.

Features and benefits:

- **HDBaseT inputs:** Work with HDVS-TX box/ wall plate for HDMI and VGA sources at lecterns, conference tables, and teacher's desks
- **Dual HDBaseT and HDMI output:** Connect to an HDBaseT display (or use an AT-HDRX-RSNET receiver) up to 230 feet (70 metres) away and an HDMI display
- **Built-in 4K scaler:** Up-scales to 4K! Down-scaling allows 4K sources to be displayed at 1080p or less. Preferred input resolution can be easily set for best results
- **Multi-function analogue inputs:** VGA connectors are used for any analogue video source including VGA, RGBHV, component, S- and composite video
- **Microphone input:** Works with dynamic or phantom powered mics, or with line level inputs from wireless receivers

- **Audio:** Balanced, analogue audio in/out at +4 dBu, on captive screw connectors. "Sub" volume controls allow matched volume levels from any source
- **Control:** Auto-switch option makes control simple. Setup from our IP GUI shortens setup time. RS-232 signal-routing to inputs and outputs and translation from IP to RS-232. Use TCP/IP or RS-232. Drivers available for most control systems
- **HDCP management:** The HDVS intelligently protects HDCP encoded content. When connected to a teleconference system, user created content is properly passed. This function may be controlled by RS-232 and IP commands

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Complete AV Solution for
classroom, conference room and huddle room

6x1 Multi-Format HDBaseT™ Switcher/Scaler
[model no. AT-UHD-CLSO-612]

HDBaseT Transmitters

HDBaseT Receiver

HDMI/VGA Wall Plate HDBaseT™ Out
[model no. AT-HDVS-TX-WP]

3x1 Switcher with HDBaseT™ Out
[model no. AT-HDVS-TX]

HDBaseT™ Extender/Scaler
[model no. AT-HDVS-RX]

Regardless the size of the environmental space it is always essential to have a reliable signal. Some basic fundamentals will always need to be considered like distance, control and power. With Atlona's robust technology we can ensure a hassle free application every time.

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10 YEAR LIMITED WARRANTY
ATLONA ADVANTAGE

connectivity

Kramer Electronics is committed to developing creative, reliable and value-oriented audio, video and computer signal processing solutions and distributing them worldwide with an uncompromising level of service and support. Following this philosophy guided us to celebrate our 28th anniversary in 2009, and by keeping our eyes on these goals we have successfully navigated often tumultuous industry waters throughout those 28 years.

HDMI

Kramer's HDMI cables are high–performance cables with moulded HDMI connectors at both ends. HDMI standard supports high–definition video plus multi–channel audio in a single cable.

- **Quality performance** - Kramer's new High Definition Multimedia Interface (HDMI) cables provide an uncompressed digital link between consumer electronics equipment such as DVD players, set–top boxes and audio/video monitors such as plasma display screens for high–definition TVs
- **High-quality connectors** - Gold–plated connectors resist corrosion, and offer the best possible connectivity
- **K-lock pull-resistant connectors** - Provides 15lbs of restraining force for a non–slip connection
- **Varied selection of lengths** - Available in versions of 0.9 to 15.2 metres (3, 6, 10, 15, 25, 35 and 50 feet)

DVI

Kramer's DVI cables are high–performance cables with moulded DVI–D connectors at both ends. These dual link cables are designed to carry digital–only signals (24+1 pin) used for direct digital connections between a source and display device such as flat panel monitors and video/data projectors.

- **Quality construction** - DVI–D connection eliminates the analogue conversion process providing maximum clarity and resolution in displayed images
- **HDCP and Dual Link compliant**
- **Fibre optic options** - Also see Kramer's DVI–over–fibre products for transmission distances up to 500 metres (1640 feet)
- **Varied selection of lengths** - Available in versions of 0.9 to 19.8 metres (3, 6, 10, 15, 25, 33, 40, 50 and 65 feet)

DisplayPort

Kramer's C–DPM/DPM cable for DisplayPort helps set a new digital standard for high–resolution video. It offers a locking connector, higher bit rates, deeper colour modes, and supports optional 128–bit encryption, stereoscopic 3D and other advancements over HDMI and DVI.

- **Support DisplayPort 1.1**
- **Varied selection of lengths** - Available in versions of 0.9 to 15.0 metres (3, 6, 10, 15, 25, 35 and 50 feet)

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K-Lock

The Ultimate Pull Resistant Connector on Kramer's HDMI Cables

KRAMER

KRAMER K-LOCK

The Best Pull Resistant
HDMI Connector
in the Market!

- OUR LATEST DEVELOPMENT
- TOTALLY PULL RESISTANT
- ON ANY HDMI CABLE
- UP TO 15LBS (6.8KG) RETAINING FORCE

- SIMPLE AND CREATIVE DESIGN
- A FLEXIBLE AND EASY FIT
- GRIPS ON THE FACE AND ON THE SIDE
- FOR DEMANDING ENVIRONMENTS

KRAMER

AV AWARDS 13 WINNER
MANUFACTURER OF THE YEAR

For further product information: International customers,
visit www.kramerelectronics.com for your local distributor.
UK: Tel +44(0)1296330011 | E-mail: info@kramerelectronics.co.uk
Website: www.kramerelectronics.co.uk

connectivity

ATEN, established in 1979, is specialised in connectivity and management solutions in accessing and sharing technologies. ATEN consolidates all of its products and services under one brand – ATEN, in order to provide an efficient and consistent service standard. The ATEN brand consists of innovative solutions applied to connectivity, professional audio / video, and green energy, for consumers, Small / Home Offices (SOHO), Small to Medium-sized Businesses (SMB), and enterprise customers.

Wireless Extension for Meeting Room, Video Conferencing and Home Theatre Applications

ATEN®
Simply Better Connections™

Video Splitters

4/8-port HDMI over Single Cat5 Splitter
VS1814T / VS1818T

The VS1814T / VS1818T 4/8-port HDMI over single Cat 5 Splitter provides a fast and efficient way of switching digital high definition video from one input source to 4/8 displays located up to 100 metres away.

Features and benefits:

■ One HDMI input to 4/8 HDMI outputs via a CAT5e cable
■ Extends up to 100 metres
■ Implements HDBaseT extension technology using only one CAT5 cable to connect the transmitter and receiver

The VS1814T/VS1818T solution is ideal for any installation that requires HDMI content to be delivered to multiple destinations, such as:

■ In-store or tradeshow digital signage
■ Information broadcasts at public locations (i.e. news, stations, airline, train schedule and arrival/departure details)
■ Sporting events
■ Theatre and lecture overview rooms
■ Classroom and company training facilities

Seamless Switcher

16x16 Digital Modular Matrix
VM1600

For each output, Aten's unique seamless engine is added. Switching is very smooth and fast, no matter which AV format of source and display devices is used.

Features and benefits:

■ Supports 4 input slots and 4 output slots
■ Connects up to 16 AV sources to 16 AV Displays at the same time
■ Instant switching – provides exceptional switching speed for HDCP content
■ Configure and control matrix through Ethernet, RS232, IR or front panel buttons

Video Matrix Switcher

8x8 HDMI Matrix Switch with Scaler
VM5808H

The VM5808H 8x8 HDMI Matrix Switch is a distinct HDMI solution that offers an easy and affordable way to route any of 8 HDMI video sources to any 8 HDMI display.

Features and benefits:

■ Connects any of 8 HDMI sources to any of 8 HDMI displays
■ Easily switch between multiple sources and multiple displays
■ Features a built-in high-performance scaler function for best image quality

Power Distribution Units

The PE6108 and PE8108 are intelligent PDUs that contain 8 AC outlets and are available in various IEC or NEMA socket configurations. It provides secure, centralised, intelligent, power management (power on, off, cycle) of data centre IT equipment (servers, storage systems, KVM switches, network devices, serial data devices, etc.) The PE6108 monitors the power on a bank level whilst the PE8108 monitors the power on an outlet level.

Features and benefits:

■ Space saving 1U rack mount design with rear mounting
■ IEC or NEMA outlet models
■ 3 digit 7-segment front panel LED shows current/IP address
■ Remote users can monitor outlet status via web pages on their browsers

connectivity

ATEN®
Simply Better Connections™

USB 2.0 DVI KVM Extender
CE610

THE CE610 USB 2.0 DVI KVM Extender is a DVI and USB extender that supports USB2.0, HDBaseT technology, USB touch panels, and file transfer functionality.

Features and benefits:

- Uses a single CAT5e cable to connect the local and remote units
- Allow access to a computer or KVM installation from a remote console
- Supports HDBaseT technology
- Superior Video Quality – up to 1920x1200 @ 60Hz at 100 metres
- Extends local PC Video/Keyboard/ Mouse to Remote side

DVI Optical KVM Extender/ Long Distance DVI Optical KVM Extender
CE680 / 690

The CE680/690 is a DVI optical KVM Extender that overcomes the length restriction of standard DVI cables by using optical fibre to send high definition audio, video and control signals over long distance.

Features and benefits:

- Allows access to a computer or KVM installation from a local/remote console
- Supports DVI-D interface and allows transmission of DVI single-link signals
- Dual console operation – control our system from both the local and remote USB keyboard, monitor and mouse controls
- HDCP compatible

HDMI Extender over Single CAT5 with Dual Display VE814

ATEN's latest offering delivers high quality videos in dual displays over distance. With VE814 HDMI Extender, your HDMI displays can be located up to 100 metres away from the HDMI source device.

Features and benefits:

- Extends the distance between HDMI source and HDMI display
- Implements HDBaseT extension technology using only one Cat 5 cable to connect the transmitter and receiver
- Supports two IR channels for bi-directional IR signal transmission
- HDMI (3D, deep colour, 4kx2k)
- HDCP compatible
- Long distance transmission – up to 100 metres
- Supports resolutions of up to Ultra HD 4kx2k and 1080p Full HD
- EDID Expert – selects the optimum EDID settings for smooth power-up and highest quality display
- RS-232 serial port for serial device peripherals, such as touch screens, bar coders scanners, and so on

Mini CAT5 A/V / DVI Extenders VE022 / VE066

The VE022 Mini Cat 5 A/V Extender allows you to extend the distance between your video / audio source and display devices by as much as 150 metres, using a Cat 5e cable.

The VE066 Mini Cat 5 DVI Extender allows you to increase the distance between your DVI display and DVI source by up to 20 metres using only one Cat 5e or Cat 6 cable.

VE022 features and benefits:

- Uses Cat 5e cable to extend audio and video transmission up to 150 metres
- Superior video quality – screen resolutions include 1920x1200@60Hz (30 metres), 1600x1200@60Hz (100 metres), 1280x1024@60Hz (150 metres)
- Adjustable gain control lets you manually adjust signal strength to compensate for distance
- Eliminates the need for bulky VGA cables

VE066 features and benefits:

- Extends the distance between DVI source and DVI display
- Uses Cat 5e cable to connect the transmitter and receiver units
- Long distance transmission - up to 20 metres*
- HDCP 1.1 compliant
- Superior video quality - up to 1920x1200
- Compatible with all ATEN DVI switches and DVI splitters

* Using different source devices / display devices will result in varying results. For best results, we recommend using high quality cables

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Flexible Integrated AV Solutions for Any Application

HDMI Media Distribution Solution (HDMI MDS)

- 4/8-Port HDMI Over Cat 5 Splitter
  (Model: VS1804T/VS1808T)

▶ Receiving Devices
  - HDMI Over Cat 5 Repeater
    (Model: VB802)
  - HDMI Receiver
    (Model: VE800R)

- One single source to multiple displays
- Transmission distance – up to 300 m
  (cascadable to 5 levels)
- Superior video quality – up to 1080p

- EDID Mode Selection
- Serial RS-232 control Support

- VGA solution also available – Advanced MDS and Standard Plus MDS

Media Matrix Solution (MMS)

- 16x16 Cat 5 A/V Matrix Switch
  (Model: VM1616T)

▶ Compatible Transmitters / Receivers
  - Model: VE500T/R/RQ
  - Model: VE300T/R/RQ

- Multiple sources to multiple displays
- Transmission distance – up to 300 m
- ATEN's patented Deskew technology
  (VE300RQ/500RQ)

- Superior video quality – 1920x1200@50Hz
- Browser-based GUI for remote control

- 8x8 Matrix Switch (VM0808T) also available

Classrooms, lecture theater overflow rooms

Broadcasting information to public locations

In-store, POS, tradeshow digital signage

Meeting rooms, seminars, company training facilities

image processing and videowalls

DEXON Image Processors

Founded in 1990, DEXON started selling video processors worldwide in 1996, offering the market a whole new product which is completely customised for every system integration. DEXON started developing its multi-screen, multi-image graphic controllers for the command and control environment but now the product has been developed over the years into what we have today. Current environments DEXON are working in include Education, MOD, Command and Control, Conference, Theatres, Public Sector and many more. DEXON systems have thousands of working multi-image display walls and control rooms all over the world today.

DEXON 4000 Series Multi Image Processor

DEXON Systems' new DXN-4000 Videowall Controllers offer perfect solution for any multi-display visualisation project on Microsoft Windows 7 platform. The LAN-based units control the wall of multiple screens displaying Microsoft Windows compatible graphics and Universal Input overlay windows. The output and the universal input connections are handled by revolutionary new, direct Cat6 technology. The Cat5e or Cat6 cable based transmission gives unprecedented chance for the system integrator to install reliable and clean AV solutions where the distance of input peripherals and output monitors is not an issue any more. The DXN-4000 Controllers apply multiple Express Crossbars for the full digital display of digital and analogue input sources in real time. The easy-to-use DEXON controllers are characterised by superior design, excellent price / performance balance and high reliability.

Features and benefits:

■ Integrated DXN-4000 Controllers driving multiple local or remote monitors to form one large Microsoft Windows compatible desktop

■ Real time display of 4 – 32 local or remote express universal inputs of HDMI, DVI, RGB, YPbPr, S-video or composite video signal

■ Display of HD-SDI, 3GSDI, DisplayPort inputs remote monitors and remote universal inputs handled by single cable Cat5e or Cat6 technology up to 125 metres

■ Professional input signal processing and scaling by adaptive de-interlacing, 3D adaptive comb filtering and adaptive 3D noise reduction

■ Comprehensive DXWall software system with easy-to-use tools for wall management, video input handling and remote control

■ Advanced tools for networked, remote operators to interact

market sectors

DEXON Systems
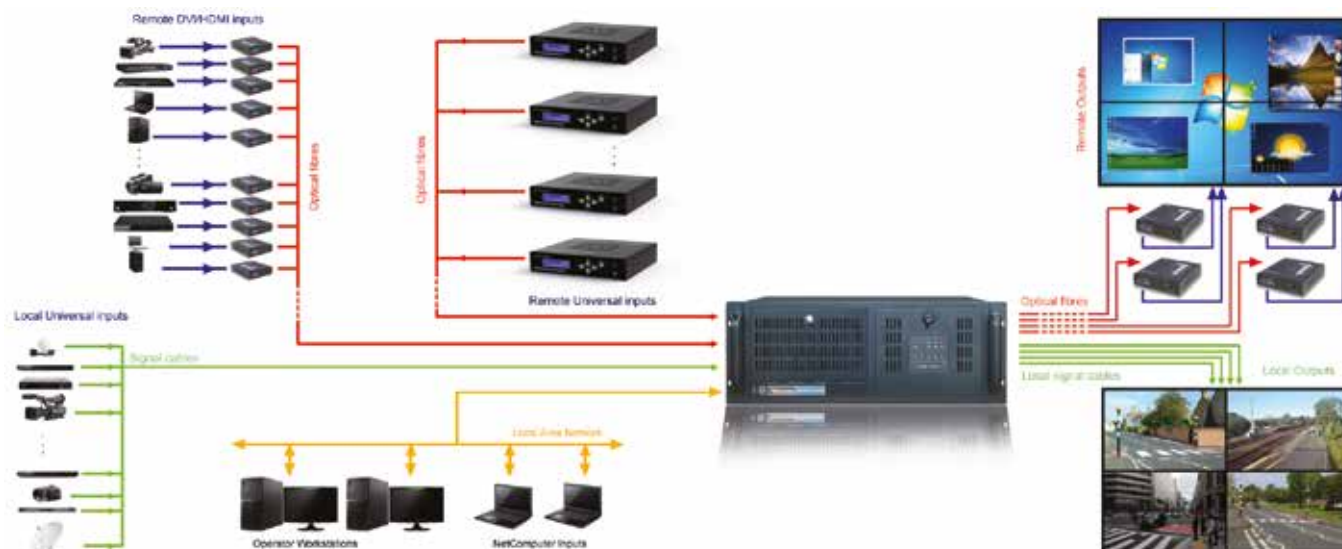*Visual quality innovation*

DEXON 4000 Series

Controllers:

DXN4200, DXN42CAT00, DXN4400, DXN44CAT00, DXN44OPT00, DXN4500, DXN4600IP, DXN4800IP

Features and benefits:

- Integrated DXN-4000 Controllers driving multiple local or remote monitors to form one large Microsoft Windows compatible desktop
- Real time display of 4 – 32 local or remote express universal inputs of HDMI, DVI, RGB, YPbPr, S-video or composite video signal
- Display of HD-SDI, 3GSDI, DisplayPort inputs remote monitors and remote universal inputs handled by single cable Cat5e or Cat6 technology up to 125 metres
- Professional input signal processing and scaling by adaptive de-interlacing, 3D adaptive comb filtering and adaptive 3D noise reduction
- Comprehensive DXWall software system with easy-to-use tools for wall management, video input handling and remote control
- Advanced tools for networked, remote operators to interact

Key Success Areas

DEXON Systems has been placed in an array of different areas proving success in the following installations:

- Transport management
- Education
- Public services
- Financial services
- Logistics planning
- Retail
- Government
- Product launch
- Security control
- Exploration
- Defence

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DEXON Systems
Visual quality innovation

DIMAX404 4x4 Intelligent Matrix

DEXON Systems offer high quality, intelligent matrix switchers to handle 4 input and 4 output signals in demanding AV projects. The standalone units accept different format of input signals, switch and scale them to the required output resolution. All current industrial signal standards and formats are supported on the 4 inputs. The outputs of 4x HDMI or 4x HDBaseT compatible Cat5 signals. Professional scaling and format conversion make the product an essential part of AV projects where different signals must be processed switched and presented.

Features and benefits:

- Handles 4x multiple format inputs
- Provides matrix switch between the 4 inputs and 4 outputs
- Up- and down-scaling
- Format and frame-rate conversion
- De-interlacing and comb-filtering
- Seamless or transition switching to the outputs

- PIP of 2 different inputs to the outputs
- Control and configuration through LAN interface
- Supports all currently used industry standard input signal and connector standards as composite video, S-video, component video (YPbPr), analogue RGB (VGA), digital DVI, digital HDMI with HDCP and DisplayPort

- Programmable seamless switching and transition switching effects
- Full HDCP support for input signals and output connections
- Easy-to-use graphics user interface for configuration process through laptops through LAN connection

DUS104 1x4 Universal Scaler

DEXON Systems offer high quality universal scalers to control 4-screen walls in demanding AV projects. The standalone units accept different format of input signals, switch and scale them to the required output resolution. All current industrial signal standards and formats are supported. The outputs of 4xHDMI signals form a coherent videowall where monitors can be mapped to any part of the large wall surface.

The DUS104 Universal Scaler is an all-in-one solution provided by a standalone box

- Supports various input signal and connector standards as composite video, S-video, component video (YPbPr), analogue RGB (VGA), 4 pieces of digital HDMI with HDCP, DisplayPort and 3GSDI
- Professional input signal processing as pixel motion adaptive de-interlacing, 3D adaptive comb-filtering and adaptive 3D noise reduction

- High quality up or down scaling
- Controls video wall of 4 monitors with identical or different resolutions
- Output monitors arbitrarily mapped to the video wall surface
- Crystal clear quality video picture

image processing and videowalls

DEXON Systems
Visual quality innovation

DXN-DUS / DUSE

DEXON Systems offer high quality universal scaling switchers for demanding AV projects. The standalone scalers accept different format of input signals, switch and scale them to the required output resolution through standard DVI/HDMI connector. All current industrial standards and signal formats are supported by the unit on the universal input and the DVI/HDMI output side.

DXN-DUS Range

DUS100 - Universal Scaler Line. Universal/SDI inputs scaled and switched to RGB/DVI/HDMI output

DUS104 - 1x4 Universal Scaler. Multiple format inputs scaled to a 4 screen videowall

DUS600 - Universal Scaler Line. Universal/SDI inputs scaled and switched to DisplayPort output

DUSE Range

DUSE200 - Universal Scaling Extender Line. Universal/SDI inputs scaled and switched to DVI/HDMI output through 100 metre CAT6 cable

DUSE401 - Universal Scaler Line. Universal/SDI input scaled and switched to SDI output

DUSE500 - Universal Scaling, Optical Extender Line. Universal/SDI inputs scaled and switched to DVI/HDMI output through 1600 metre optical fibre

Features and benefits:

The Universal Scaler is an all-in-one solution provided by a standalone box of the following features:

- Supports all currently used input signal and connector standards as composite video, S-video, component video (YPbPr), analogue RGB (VGA), digital DVI, digital HDMI with HDCP, DisplayPort and 3GSDI
- Professional input signal processing and quality improvement services as pixel motion adaptive de-interlacing, 3D adaptive comb-filtering and adaptive 3D noise reduction
- High quality up or down scaling
- Switching of input signals to the DVI / HDMI output
- Providing the highest quality crystal clear video picture on the output in real time

DXN-DCAT

DEXON Systems offer high quality Cat6 sender-receiver pair for HDMI signal transmission over long distances. The product provides full HDCP compliant signal transmission and EDID management over a singe cable offering simple cabling and clear installation. The devices can cover 125 metre distance ensuring crystal clear video picture thanks to the full digital path between the sender and receiver equipment.

Features and benefits:

The Cat6 cable based transceiver and receiver pair provides the perfect solution for long distance signal transmission and content protection jobs:

- Transmits HDCP compliant DVI/HDMI signals over a single Cat5e, Cat6 or Cat6a cable up to 125 metre distance
- Ensures perfect EDID signal path
- Supports high resolution transmission up to 1920x1200 pixels resolution at 60Hz
- Results perfect crystal clear video picture quality by the digital data path

DXN-DOPT

DEXON Systems offer high quality optical sender-receiver pair for HDMI, Ethernet, USB and IR signal transmission over long distances. The product provides full HDCP compliant signal transmission and EDID management over a single cable offering simple cabling and clear installation. The devices can cover up to 1600 metre distance, ensuring crystal clear video picture thanks to the full digital path between the sender and receiver equipment. Small box size, LED indicators and energy efficient operation support successful AV project installations.

Features and benefits:

- Transmitter device with DVI/HDMI, RJ45, USB, IR input connectors
- Transmission of HDMI, 10/100 Ethernet, USB1.1, IR signals
- Transparent HDCP compliant operation
- Single optical fibre technology
- Covering 1600 metres at 1920x1200 resolution
- Receiver device with DVI/HDMI, RJ45, USB, IR output connectors

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The Narrowest Bezel LG Video Wall

55" SUPER-NARROW 3.5mm BEZEL PREMIUM DISPLAY LV75A/77A

THE NARROWEST BEZEL OF LG VIDEO WALL DISPLAY

Bezel width of 4.9mm in 47" and 3.5mm in 55" Super-Narrow Bezel display creates visually stunning video wall that is easily installed, maintained and managed.

55LV77A / 55LV75A

Active to Active
3.8mm
Bezel to Bezel
3.5mm
2.25mm(Left/Top) / 1.25mm(Right/Bottom)

SUPERSIGN V CONTENT MANAGEMENT S/W

Flexible content editing in various layouts including regular matrix and non-formal irregular video-wall is possible to your preference in a timely and cost effective manner without unnecessary expensive video wall console.

Editor

Arbitrary Location Redesign

Split / Encoding

DISPLAYPORT 1.2 DAISY-CHAIN

Display of super high resolution UHD content in video wall through DP 1.2 daisy chain.

DP 1.2
Daisy-Chain

3840 x 2160
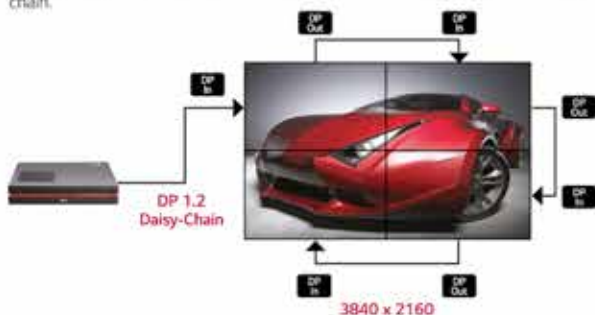
TruMotion™ 's 60Hz REFRESH RATE

TruMotion™ 's 60Hz refresh rate reduces motion blur and judder, as a result, ensures customer to enjoy clean video content.
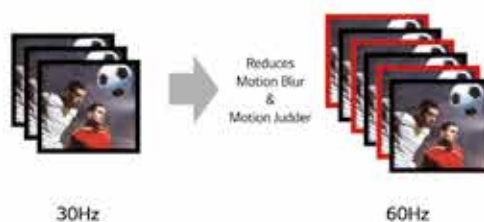

Reduces
Motion Blur
&
Motion Judder

30Hz

60Hz

LG
Life's Good

image processing and videowalls

NEC

Empowered By Innovation

Spectacular videowalls work better where the image is clearer and larger and is not obstructed by unsightly bezels.

The new ultra slim X464UN and X554UN features a 5.7mm bezel (content to content) to create impressive high resolution videowalls with barely visible bezels. New connectivity and sensors allow additional creativity in the content displayed. The unique built-in NFC sensor in combination with NEC's new Android app reduces installation and maintenance times, especially useful on larger installations.

46 to 55-inch Professional Videowall Displays
NECLCDX464UN and NECLCDX554UN

With LED backlights and Full HD resolution these displays are ideal for easy installs within the hire and rental market. These NEC displays are the ideal solutions for retail signage as well as control room applications, installations in airports, train stations and the rental market.

Features and benefits:

- Slim bezel design
- HDMI connectivity
- Energy saving properties
- LED backlit technology

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market sectors

SAMSUNG

Grab Attention with Videowalls

- Create awesome videowalls with super narrow bezels
- Automatic screen adjustments - saving you time and money
- Intense illumination enhances viewing experience
- Easily link your TV, monitor or PC for an extra display

UD and UE Powerful LED Large Format Displays
SMUE46 / SMUE55 and SMUD46 / SMUD55

UD series

The Samsung UD Series is the powerful Direct LED LFD for your customer's videowall requirements. With a super narrow bezel-to-bezel measurement of just 5.5mm, the UD Series removes any distractions from your messages.

UE series

Designed to deliver the largest image display area possible, the UE Series features an ultra-narrow bezel which helps viewers to concentrate on what is on the screen. If one screen just isn't enough, the UE Series can be easily configured for multiple displays to create a high-impact, stunning videowall display system.

Things to consider when purchasing a videowall

Will you be displaying more than one image on your videowall?

DEXON, tvONE and Datapath have multi-image processors available which can help you with your image processing needs for multiple images on multiple screens.

What is the distance from the processor to the videowall, how many inputs and outputs are required?

True Colours has multiple CAT5 solutions to help complete your videowall needs.

How will you transmit your image to your videowall?

True Colours can help assist you with your connectivity and cabling requirements to make your videowall a complete solution.

Where are you taking the content from for your videowall?

Will you be using live feeds from security cameras? Have you considered MidwichSecurity for your IP Cameras? Exterity can assist you with your live feeds from your cameras through to your image processor.

How will you be controlling your videowall?

True Colours has multiple products to supply you with your controlling requirements.

image processing and videowalls

DATAPATH
EXCELLENCE BY DESIGN

A World-Leading Innovator in Computer Graphics, Video Capture and Digital Technology

Datapath has operated exclusively in these areas since it was founded in 1982. Well over 200 man-years experience has been built up in product design, consultancy and project development, covering all areas of this industry. The available expertise covers both hardware and software (driver) design and development.

Datapath is large enough to undertake substantial projects, but small enough to offer an unrivalled level of service and support, which is achieved by an accessible, customer-focused staff.

Datapath has an international outlook, with offices in the United Kingdom, France and USA.

The maxim "Excellence by Design" describes the philosophy of Datapath, and over the years this reputation has attracted many major blue-chip companies and institutions to use our expertise as the best way to solve their specialised display problems.

DATAPX4

The Datapath x4 is a stand-alone display wall controller that accepts a standard single or dual link DVI input and can flexibly display this across four output monitors.

Each output can be driven as DVI or analogue RGB, and can represent an arbitrary crop region of the original input image. The output resolution and frame rate does not need to be related to that of the input, as the Datapath x4 will optionally upscale and frame-rate converts each cropped region independently.

Supports creative monitor arrangements

Each output monitor can take its input from any region of the DVI image, since all the required cropping, scaling, rotation and frame rate conversion is handled by the x4 hardware. These regions can overlap to allow any output to replicate another, or they can be configured to support any creative splice of the source material.

This allows the support of many non-rectangular screen arrangements with uneven gaps, and any mix of orientations.

Features and benefits:

- Supports full bezel width and height correction for all types of displays
- Full Command Line Interface (CLI)
- Ideal for use with edge blending projectors – supports image overlapping
- Compatible with Mac OS X 10.8
- Splits a single DVI input into four independent monitor outputs
- Accepts dual-link DVI, single link DVI or HDMI* input

- The input EDID is programmable to allow arbitrary input resolutions and frame rates
- Flexibly drives four displays, each from any selected region of the input image
- Supports both DVI and analogue RGB output monitors

* HDMI input requires the optional DVI/HDMI adapter

DATAPATH
EXCELLENCE BY DESIGN

DL8 Distribution Amplifier

The Datapath dL8 is an eight output distribution amplifier for ultra-high resolution dual link DVI signals providing a programmable, flexible and low cost solution for any videowall display. When used in conjunction with up to 8 Datapath x4 stand-alone display wall controllers, the Datapath dL8 supports up to 32 screen videowalls.

One dual-link DVI output, supporting graphics sources with pixel clocks up to 330MHz and resolutions beyond Quad-HD (3480x2160), can be delivered to eight outputs on separate DVI-D (dual-link) connectors. This distribution amplifier supports up to 20 metres even at full dual-link resolutions due to additional active equalisation and re-clocking hardware, allowing convenient location for flexible display designs.

Flexibility & Creativity

The Datapath dL8 has been designed and developed to operate with the x4 stand-alone display wall controller. This is a perfect partnership of a dL8 and up to eight Datapath x4 stand-alone display wall controllers, allows the user to utilise their creative imagination to construct display solutions for digital signage applications and videowalls. Each of the x4 units can accept one of dual-link DVI output from the dL8 and select four arbitrary regions from it for display all standard DVI (single-link)/HDMI monitors.

Using this solution it is possible to create up to 32 screen video walls, with complex display wall arrangements for any mixture of landscape and portrait display formats. Since the dL8 guarantees that all eight outputs are exactly locked to the source, all these 32 screens can be frame-locked for optimum display of creative, dynamic content.

Features and benefits:

- Supports up to 32 screens videowalls when used in conjunction with up to 8 Datapath x4 stand alone display wall controllers
- Distribution and signal conditioning of arbitrary DVI source signals
- Supports any resolution or frame rate that can be used supported in either single or dual-link DVI
- Supports any resolutions up to and beyond Quad-HD (3840x2160) up to pixel clocks of 330MHz
- Sophisticated EDID management
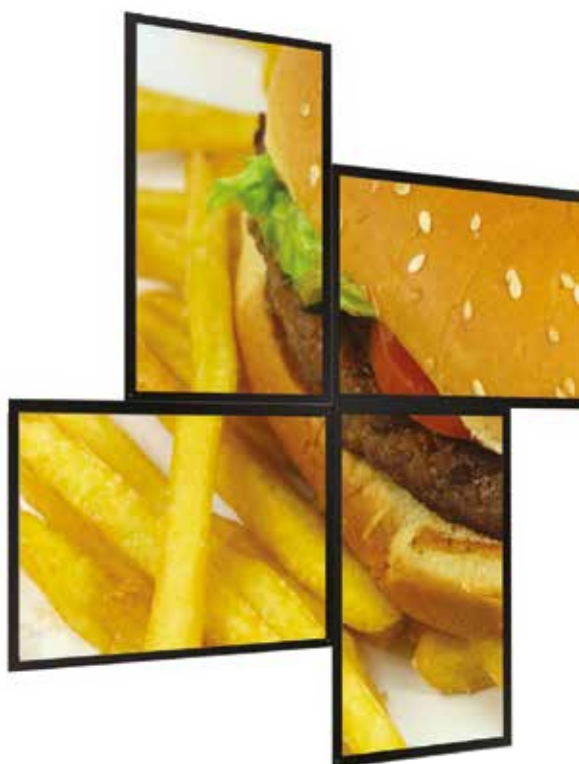- Support for long input cables allowing convenient location

image processing and videowalls

market sectors

tvONE CORIO® Family

When you are planning the most dynamic video events and videowall displays, plan to use the very best: the industry-leading family of tvONE video processors. Combined, the tvONE CORIO® family packs maximum video signal processing power in the smallest available designs. Each tvONE video processor features the patented tvONE parallel video processing architecture:

CORIOmatrix mini now available

■ **CORIOmaster** ■ **CORIOmaster mini** ■ **CORIOmatrix** ■ **CORIOgrapher**

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Scaling with Speed and Agility.
It's Common Sense.

Features include, Layering, PIPs, Keying and an internal logo store.

2 step presets enable quick screen changes at the touch of a button.

tvONE
TRAINING ACADEMY

The tvONE Training Acadeny provides FREE
courses for end users, distributors and installers.
For more information email: **training.europe@tvone.com**

C2-2855 a Revolution in Universal Scaling.

The new C2-2855 is an extremely intuitive, user-friendly Universal Scaler with incredible video
I/O flexibility and integral stereo audio switching. The highly refined, front-panel and
computer interfaces radically accelerate user interaction, so the C2-2855
sets-up in less than ⅓ the time of other solutions of this type.

tvONE

image processing and videowalls

tvONE

Since its incorporation in 1984, tvONE has been supplying the Professional AV and Broadcast markets with award-winning products including a vast range of video switcher / scalers / multiviewers that incorporates it's award-winning CORIO2 proprietary technology. High-quality scaling between standard video, SD/HD-SDI, DVI or analogue computer and HDTV signals is possible and extra features include seamless switching, PIP, chromakey, lumakey, mixing, edge blending and genlock. tvONE can quickly supply over 200 premium-quality audio and video processing products across the country along with full training across their ever expanding range.

Universal Scaler C2-2855

The C2-2855 Universal Scaler Plus is first in a new generation of high performance scalers that provides best-in-class video scaling and format conversion along with revolutionary, intuitive user interface tools.

This new design has more input/output flexibility than any other previous tvONE scaler. It can be set up and managed using a new, innovative front panel or via computer-based control panel that allows setup in less than 1/3 the time of the previous generation.

Universal Input Seamless Switcher C2-8000 Series

Features and benefits:

- DVI-U inputs (HDMI/CV/YC/RGB/YPbPr)
- SDI inputs: up to 2 SD/HD/3G-SDI + re-clocked out, SDI outputs: up to 2 (SD/HD/3G)
- DVI-U outputs: 2 (HDMI/CV/YC/RGB/YPbPr)
- Genlock inputs: 1x tri/bi with loop-through
- HDMI compatible input and output with HDCP
- Motion compensation and 3:2 pull-down
- Automatic incoming resolution detection
- 4:4:4 full bandwidth sampling
- Variable image zoom to 10x and Shrink to 10%
- Chroma and luma keying
- Fade, wipe, push, cut transitions
- Video signal parameter adjustments
- Audio de-embed / embed for SDI and DVI

C2-8000 Series Products (I/O)

C2-8110
x6 DVI-U x2 DVI-U

C2-8160
x10 DVI-U (x1 AES3-id) x2 DVI-U

C2-8120
x8 DVI-U x2 DVI-U

C2-8210
x8 DVI-U x2 3G/HD/SD-SDI, x2 DVI-U x2 3G-HD/SD-SDI

C2-8130
x12 DVI-U x2 DVI-U

C2-8260
x6 DVI-U x2 3G/HD/SD-SDI, x2 DVI-U x2 3G/HD/SD-SDI

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4 Window DVI-U Video Processor
CORIOview C26104-A

Features and benefits:

- 4-Window processor
- 4x high quality CORIO®2 scaling engines
- DVI-D I/O support to 1920x1200,1080p@60Hz
- DVI-A I/O support to 2048x2048, 1080p@60Hz
- Analogue supports RGBHV, RGBS, RGsB, YPbPr
- 10 user-definable pre-sets for quick setup
- Motion adaptive de-interlacing and noise reduction for YUV and YPbPr inputs
- Variable image zoom to 10x and shrink to 10%
- Per-pixel or percentage scaling control
- Front panel includes LCD, menu control and quick setup features
- Control via RS-232/RS-422/RS-485, Ethernet or front panel, or CORIO Tool Suite compatible
- 1RU rack-mount case

Dual-PIP DVI-I Video Scaler
1T-C2-750

Features and benefits:

- Dual scalers
- 2x DVI-I inputs
- 2x internal still image stores
- DVI-D I/O support to 1920x1200,1080p/60
- DVI-A I/O support to 2048x2048, 1080p/60
- Analogue supports RGBHV, RGBS, RGsB and YPbPr
- Control via RS-232, IR or front panel
- Windows control panel
- Variable image zoom to 10x and Shrink to 10%
- Per-pixel or percentage scaling control
- Chromakey and lumakey

HDBaseT Matrix Routing Switcher
MX-8488

Features and benefits:

- 8x HDMI inputs
- 8x HDBaseT outputs
- HDMI v1.3, HDCP v1.1 & DVI v1.0 compliant
- Deep colour & 3D support
- 7.1 LPCM, Dolby TrueHD & DTS-HD Master Audio support
- IR I/O support
- Rack-mountable
- Controllable via front panel, RS-232, IR & Ethernet
- EDID setting support
- PC resolutions VGA-WUXGA
- Video resolutions 480i-1080p
- Power over HDBaseT support

Universal Video Scaler Switcher
1T-VS-668

Features and benefits:

- HDMI max res: WUXGA & 1080p
- HDMI, RGB, YPbPr, YUV, CV in
- Seamless switching (no sync loss)
- Cross conversion of analogue & digital audio
- Audio delay for lip sync correction
- HDCP compliant
- 3D motion adaptive de-interlacing
- Noise reduction, 3D comb filter
- 3:2 pull-down, 2:2 pull-down recovery
- Web GUI Control Interface
- Infrared remote control
- Locking DC oower supply
- Rack mount kit

tvONE Training

The tvONE Training Academy provides a complete education program free of charge covering all aspects of tvONE for ends users, distributors, installers and integrators. Whether you are new to working with tvONE products or simply wish to refresh your knowledge of our product portfolio, there is a course for you. To book a course or to discuss your specific course requirements, please email **training.europe@tvone.com**

tvONE will book and pay for hotels and also book transfers from Heathrow Airport to the office in Maidenhead (only for the two day courses).

By attending a tvONE Training Academy Course you can gain points towards CTS RU accreditation. All of our programmes are accredited making it easy for you to get additional value from your training.

image processing and videowalls

ANALOG WAY®

Analog Way is an innovation-driven designer and manufacturer, specialised in computer and video signal processing and distribution. From the beginning, Analog Way has been a constant pioneer in the industry, developing cutting edge solutions for the Rental & Staging and Corporate & Integration markets. Analog Way's products are being used around the globe in major venues, board rooms, control rooms, museums, and hospitals, houses of worship, as well as military and security installations.

Ready for flawless visual experiences.

Conceived and designed after careful analysis of the creative needs of live events professionals, Analog Way's **LiveCore™** series combines high processing capabilities with smart functionalities to produce impressive shows.

Advantages of the LiveCore™ series:

- Ruggedised and heavy-duty design to fit with the most demanding applications
- Versatile connectivity to be ready for any configuration
- State-of-the-art processing to create impressive visual shows
- Operator-friendly and intuitive User Interface to ensure flawless control of presentations
- Communicative architecture for advanced collaborative operation and remote services

Ascender 32
ANAASC3204

Powerful multi-screen Seamless Switcher based on Analog Way's new LiveCore™ platform, offering state-of-the-art processing, Soft edge and 4K capabilities for top-notch presentations.

Features and benefits:

- Based on the LiveCore™ platform
- 12 seamless inputs and 42 input plugs
- Independent preview/mosaic/ monitoring output
- Full live preview of all sources (preview/mosaic/monitoring)
- Customisation of monitoring layouts (up to 8 templates stored)
- 4 true-seamless scaled layers + 1 native background layer per output
- Advanced layer management
- Rotation capability in output (step by 90 degrees)
- Outstanding visual effects
- Collaborative architecture
- Ruggedised and heavy-duty design
- User-friendly and intuitive graphic interface

NeXtage 16
ANANXT1604

NeXtage™16 is a high-end Seamless Switcher with dedicated live processing, designed with a rugged reinforced chassis and hardware for demanding live events. Equipped with 16 scalers, 8 seamless inputs and 2 main outputs, NeXtage™16 offers 28 input plugs: 4x HDMI, 6x DVI-D, 2x DisplayPort, 8x 3G-SDI and 8x universal analogue. With 4 independent true seamless layers per screen, as well as an independent native background layer included for soft edge blending or individual screen modes, NeXtage™16 is an exciting tool to create impressive shows.

Features and benefits:

- Based on the LiveCore™ platform
- 8 seamless inputs and 28 input plugs
- Independent preview/mosaic/ monitoring output
- Full live preview of all sources (preview/ mosaic/monitoring)
- 4 true-seamless scaled layers + 1 native background layer
- Outstanding visual effects
- Communicative architecture
- User-friendly and intuitive graphic interface
- Remote services
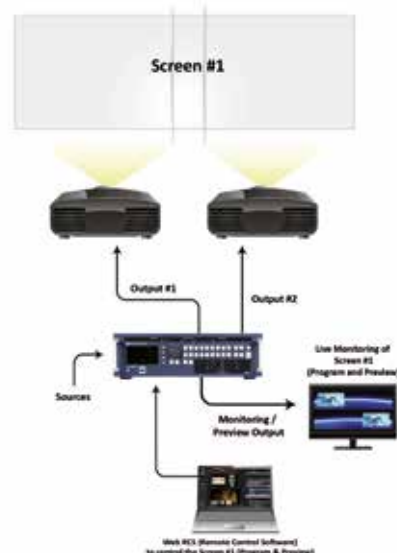
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ANALOG WAY®

The Midra™ series

Analog Way's New Line of Mid-range Mixers / Seamless Switchers.

The products offer a large variety of connectivity, with up to 10 seamless inputs and 16 input plugs including DVI-D, HDMI and 3G-SDI. The CleanCut effect allows all switchers of the Midra™ series to seamlessly switch between any of their input plugs without fade through black or loss of sync. EDID management is now standard for all computer sources. To fit any display resolution, including non-standard formats like LED walls and rear-projection cubes, the Midra™ Switchers offer custom output format management.

Thanks to smart features, Midra™ series offers a simple user experience:

- 6 powerful devices, all with true seamless transitions
- Versatile connectivity ready for any configuration
- Quick frame
- Embedded digital audio capable on HDMI and DVI-D plugs
- Advanced audio management
- Capability to directly work on the program
- New user-friendly graphical interface

Eikos²
ANAEKS550

Multi-layer Hi-resolution Mixer Seamless Switcher with 10 inputs and 3 operating modes.

- New Midra™ platform
- New Remote Control Software: RCS² (Windows, Mac & Linux)
- 3 operating modes: mixer, native matrix and quadravision modes
- New mosaic preview
- Full high resolution digital processing
- 4x 3G/HD/SD-SDI
- Stunning, dynamic effects
- Fast processing and true seamless switching
- Video output (CVBS, YPbPr, 3G-SDI)

Features and benefits:

- 10 seamless inputs
- 2 outputs (program and preview)
- 16 input plugs available (4x DVI-D, 4x HDMI, 4x universal analogue & 4x 3G/HD/SD-SDI)
- Video out: SD/HD-TV analogue & 3G/HD/SD-SDI (zoom 50 to 400%)
- All live layers: fully resizable
- Transitions: fade (dissolve), cut, wipe, slide, stretch, circle, depth & flip
- Mirror effect

Saphyr
ANASPX450

Multi-layer Hi-resolution Mixer Seamless Switcher with 10 inputs and Native Matrix mode.

- New Midra™ platform
- New Remote Control Software: RCS² (Windows, Mac & Linux)
- 2 operating modes: mixer and native matrix modes
- Fast processing and true seamless switching
- New mosaic preview
- Low frame delay
- Video output (CVBS, YPbPr, 3G-SDI)

Features and benefits:

- 10 seamless inputs
- 2 outputs (program and preview)
- 16 inputs plugs available (4x DVI-D, 4x HDMI, 4x universal analogue & 4x 3G/HD/SD-SDI)
- All live layers: fully resizable
- Computer formats up to 2K/ 2048x1152
- HDCP compliant
- Transitions: fade (dissolve), cut, wipe and slide

Technical solutions: As any rental and staging company knows reliability, flexibility and ease of use are big factors for any hire fleet. Yet delivering that WOW factor is now more important than ever. With Analog Ways range of seamless switchers, you can now cater for a vast array of signal types, and with the ability to switch any source using a list of cool transitions and smooth moving PIP's. Transform a seemingly mundane Power Point presentation into something dynamic and with just the right amount of impact for your clients to deliver their message.

image processing and videowalls

ANALOG WAY®

SmartMatriX²
ANASMX250

10x 2 Seamless Matrix Scaler with Native
Hi-Resolution outputs.

- New Remote Control Software: RCS²
  (Windows, Mac, Linux)
- Fast processing and true seamless switching
- Full audio digital compliant on DVI-D &
  HDMI plugs
- Quick frame mode
- Capability to switch between any input plugs
  (16 plugs available)
- Asynchronous true seamless scaled matrix
- New freeze features (input/layer/screen)

Features and benefits:

- 10 seamless inputs
- 2 outputs (output #1 and output #2)
- 16 input plugs available (4x DVI-D, 4x HDMI,
  4x universal analogue & 4x 3G/HD/SD-SDI)
- Video out: SD/HD-TV analogue & 3G/HD/
  SD-SDI (zoom 50 to 400%)
- All audio inputs can be embedded or
  de-embedded on all plugs
- 8 memory presets per output

Pulse²
ANAPLS350

Hi-Resolution Mixer Seamless Switcher
with 8 inputs and Native Matrix Mode.

- New Midra™ platform
- New Remote Control Software: RCS²
  (Windows, Mac & Linux)
- Fast processing and true seamless switching
- Low frame delay
- New EDID management on 6 inputs
- Quick frame mode
- 2 operating modes: mixer and native
  matrix modes

Features and benefits:

- 8 seamless inputs
- 2 outputs (program and preview)
- 14 input plugs available (4x DVI-D, 4x HDMI,
  4x universal analogue & 2x 3G/HD/SD-SDI)
- All live layers: fully resizable
- Transitions: fade (dissolve), cut, wipe and slide
- HDCP Compliant
- Computer formats up to 2K/2048x1152

QuickVu
ANAQVU150

Hi-Resolution Mixer True Seamless Switcher
with 8 inputs.

- New Remote Control Software: RCS²
  (Windows, Mac, Linux)
- Fast processing and true seamless switching
- Full audio digital compliant on DVI-D
  & HDMI plugs
- Quick frame mode
- Outputs fully resizable
- Ability to modify the program in real time
  without using the Preview

Features and benefits:

- 8 seamless inputs
- 2 outputs (program and preview)
- 14 input plugs available (4x DVI-D, 4x HDMI,
  4x universal analogue & 2x 3G/HD/SD-SDI)
- 8 memory presets per output (64 via RCS²)
- 8 full frames
- All audio inputs can be embedded or
  de-embedded on all plugs

Midra™ series:
even better

A complete line of
Mixers & Seamless Switchers
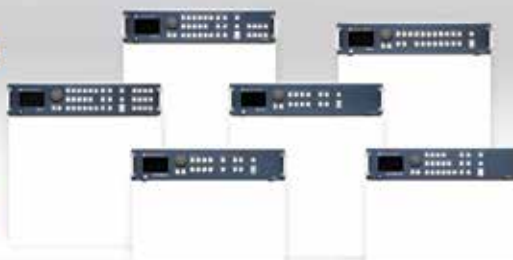
ANALOG WAY®
Pioneer in Analog, Leader in Digital

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www.analogway.com

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digital signage solutions

BrightSign®

market sectors

BrightSign, LLC is a privately held company located in Los Gatos, California founded in 2002 by Anthony Wood, the inventor of the digital video recorder (DVR). BrightSign is the market leader in solid-state, Full HD, digital sign and kiosk controllers. BrightSign players are known for their signature reliability, affordability and ease-of-use by the commercial digital signage market worldwide.

Future Proof Your Signage

BrightSign is the right choice now, and into the future. The powerful BrightAuthor content creation and management software is continually updated so you'll never be stuck with a product that isn't keeping pace with current market demands.

Sign Preview

BrightAuthor provides the ability to preview signage presentations so the author can see exactly how they will appear on-screen prior to publishing the presentation.

BrightWall

BrightWall™ lets you easily create impressive and vibrant video wall displays using a simple, yet powerful drag-and-drop interface. This BrightAuthor tool uses a common clock to achieve frame-accurate synchronisation across any number of displays.

OPEN YOUR EYES TO THE BRIGHT SIDE OF DIGITAL SIGNAGE.

PC-class performance. Brighter bottom line.

www.brightsign.biz

BrightSign®

digital signage solutions

XD Range

PC-Class performance and state-of-the-art video decoding engine with superior scaling technology delivers pristine 1080p @ 60Hz video and uncompromised decoding. Play dual Full HD video simultaneously, including live HDTV via an ATSC / Clear QAM tuner or HDMI input.

Networked Interactive
XD230

Unparalleled PC-class performance.

Features and benefits:

- Simultaneous playback from local and networked streaming content sources
- 1920x1080@60p dual decode means 4x more HD video decode capabilities than BrightSign HD
- Supports HTML5, streaming content, live text, RSS feeds, 3D and videowalls
- UDP networked interactivity via mobile devices and the BrightSign App
- SDHC/SDXC slot and internal microSD slot
- Built-in wired networking to update and manage your signage
- Wireless module available

Networked Multi-Control Interactive
XD1030

Robust interactive.

Features and benefits:

All the features of BrightSign XD230, plus:

- Engaging interactive controls via GPIO, serial, dual USB and Ethernet ports
- Supports touch and swipe screen interactivity
- S/PDIF output for pure digital and surround sound audio

Networked Multi-Control Interactive and Live HDTV
XD1230

Premium capabilities.

Features and benefits:

- Top of the line model supporting all features of the XD230 and XD1030 plus support for playing Live HDTV
- Simultaneous playback from local, streaming and live TV content sources
- Play any broadcast content, even protected HDCP content, via the HDMI input
- ATSC / Clear QAM tuner plays cable TV or closed circuit TV broadcasts

4K Player

BrightSign's 4K player delivers the very highest standards in technology for the new 4K ecosystem. BrightSign 4K plays native 4K H.265 10 bit video files at 60 fps via HDMI 2.0. Ultra-reliable, fan-less, solid-state, BrightSign 4K offers all the features and capabilities of BrightSign XD1230 and will be shipping later this year.

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HD Range

BrightSign's HD product line is based on advanced technology that delivers highly reliable performance at a very affordable cost. A powerful media-handling platform, robust interactive capabilities and signature ease-of-use make BrightSign HD the winning choice.

Basic Interactive
HD120

Affordable quality.

Features and benefits:

- Delivers superior quality Full HD 1080p video and image playback with a robust media handling platform
- Supports both looping and GPIO interactive presentations
- Provides multi-zone and full screen layouts supporting video, images and text tickers
- Includes BrightAuthor software to create and publish presentations

Networked Interactive
HD220

Flexible networking.

Features and benefits:

- Delivers superior quality Full HD 1080p video and image playback with a robust media handling platform
- Plays looping media presentations
- Provides multi-zone and full screen layouts supporting video, images, text tickers, live text and RSS feeds
- Delivers content updates to remote units via networking
- Offers live text, videowalls, IP streaming and UDP commands support
- Includes free BrightAuthor software and free networking solutions
- Supports the BrightSign Network solution, offering cloud-based content distribution, management and monitoring of your digital signage network

Networked Interactive
HD1020

Premium capabilities.

Features and benefits:

Includes all features of the HD220 and HD120 plus:

- Abundant interactive controls via GPIO, USB and serial ports
- Versatile networking abilities via Ethernet supporting live text, RSS media feeds, UDP commands, videowalls and remote content updates
- Includes free BrightAuthor software and free networking solutions
- Supports the BrightSign Network solution, offering cloud-based content distribution, management and monitoring of your digital signage network
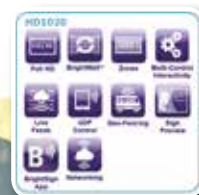
digital signage solutions

market sectors

inspiredsignage by **AMX**

Inspired XPert - Sophisticated Digital Signage in an Easy-to-use Solution

Inspired XPert provides digital signage with the industry's best content tools to make creating and managing digital messages simple.

- The **IS-XPT-2100** is a compact player that can be mounted behind displays and features high resolution 1080p processing power to support HD video, images, text, and internet feeds

- Addresses customer's content challenges with the availability of professionally designed, easy-to-use message templates

- Enables groups to manage their own content, while allowing a review and approval cycle before it is published to displays

- With no on-going software license fees, Inspired XPert is more cost effective than subscription-based solutions

- Supports display of internal and external data sources using XPort Data Integration Software

- NetLinx integration provides the ability to combine Inspired XPert with AMX Control systems to create messaging solutions that incorporate the entire environment

- Native integration with RMS Enterprise allows system administrators to monitor and control the signage player and its connected display device

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inspired**signage** by **AMX**

Inspired XPress - A Small Giant!

Don't let its compact size fool you. While it has no moving parts and uses a mere 3W of power the **IS-SPX-1300** has an embedded web server, metric collection capability and HDMI/VGA video outputs.

■ **View content being played** - From the IS-SPX-1300 embedded web server an administrator can take a snapshot showing exactly what is playing on the connected display for status or reporting purposes

■ **HDMI and VGA outputs** - The IS-SPX-1300 features two simultaneous, independent, active video output connections, one digital and one analogue

■ **Powerful compact player** - This tiny player is small, light, with no moving parts, yet is packed with capabilities that most PC-based solutions can't match like live video and video wall support

■ **Green** - The player uses only 3W of power

A Dynamic Software Solution

Inspired XPress is ideal for delivering dynamic information to customers of retailers, hotels, banks, event venues and other public spaces in multiple languages. Content design is fluid, similar to a web page. Inspired XPress allows staff to create templates and content, and publish that content to IS XPress players.

■ **Easy-to-use** - Inspired XPress software allows administrators to very easily create and manage their content and distribution

■ **Standards based architecture technology** - Such as Scalable Vector Graphics (SVG) and XML produce graphics that are smaller, transmit more quickly, and are scalable without resolution loss

■ **Wide variety of graphics supported** - The design aspect of IS XPress software allows for the use of content already developed such as JPEG,PNG, GIF, and SVG for still image format and MPEG-2, MPEG-4, H.264, WMV 9 for SD motion video as well as importation of PowerPoint presentations

collaborative room solutions

Unlimited Simultaneous Participants using an Existing Network, All Sharing Any Room Display

Solstice software from Mersive enables multiple users to connect simultaneously to a shared display using laptops and mobile devices over an existing Wi-Fi or Ethernet network. With a Solstice-enabled display in a meeting room or classroom, any number of users can easily connect (via an application or dongle), share and control the display, fostering collaboration and decision-making.

Solstice is the only pure software wireless collaboration product which runs on your existing corporate network, enabling easy updates and centralised management of displays throughout the enterprise using the Solstice Dashboard. Solstice can also be integrated with AV room controls using the Solstice Open Control Protocol. Integrate with existing in-room AV control systems like Crestron, Extron and AMX.

Rich Content Sharing Capabilities:

- Supports any number of simultaneous users sharing screen space at one time
- Any number of content posts, including documents, images, videos, applications, can be shared on screen at the same time
- Video and other media streamed live to the display - actions and edits appear on screen in real-time
- Shared videos include synchronised audio, with volume and mute controls available to anyone active in the session
- Laptop screen privacy - users can share a single application window rather than full screen if they choose
- Mirror iOS content via Apple TV connection
- Two use modes to choose from:
  Podium - one or more presenters control the display
  Roundtable - simultaneous display access for multiple users; any participant can control the posts of anyone else in the session - Move, Zoom, Play, Pause, etc.

mersive

solstice

Easy to Integrate and Manage:

- The display software runs on a Windows computer – no specialised, proprietary hardware purchasing required
- Users can connect with their existing laptops and mobile devices. Windows, Apple and Android are all supported
- Leverages the existing Wi-Fi or Ethernet network already in the room
- Solstice Dashboard centrally manages all Solstice displays across the enterprise
- IT administrators are able to configure, manage and monitor the status of all the Solstice displays from where ever they are
- Solstice Open Control Protocol enables easy integration with existing in-room AV Control panels from makers like Crestron and AMX
- Run in parallel with VC solutions and web conferencing like Lync, WebEx, GoToMeeting, etc
- Incorporate external video sources such as Apple TV or VTC systems

Implementation and Budget Flexibility

- Per display, perpetual software license makes it easy to implement and update as new features become available
- Solstice Small Group Edition (SGE) provides all the same functionality for about half the price when no more than four users need to be sharing the screen simultaneously

Key applications

Business meetings

Education

Command and control

Hotels and conferences

Data visualisation

Put ideas on display with solstice
by mersive

Transform your classroom or meeting room with wireless visual collaboration.

Wirelessly connect & share any display.
Any number of users, any type of content,
from any device. No proprietary hardware required.

AV/IT-friendly integration. Deploy on an existing
Wi-Fi or Ethernet network. Integrate with in-room AV
control systems such as AMX.

Centralised Management. Configure, manage, and
monitor displays across a network from a central location.
Transform displays into part of your IT infrastructure.

Learn more and request a free trial at
www.mersive.com/solstice.

wePresent WiPG
Wireless interactive Presentation Gateway

Supports

AWIND
ENRICH YOUR DIGITAL LIFE!

AWIND is a Leading Company in Wireless Projection Market

AWIND has proven to the industry for its strong design and integration capabilities on hardware, embedded firmware, wireless networking and software for Windows, Mac, Mobile, and Linux. With the solid technology foundation and customer base, AWIND is developing the mTVic (mobile, TV, Internet, computer) platform which is to provide "easy to migrate" framework for PC or mobile applications to be accessed in front of TVs.

Wireless Interactive Presentation Gateway WiPG – 1000

Link PC, Mac, Tablet, Mobile, Projector or Display all together to make professional and interactive presentation. (Full HD Support)

Plug & Show
No software installation required.
Just plug in the USB drive to your PC.

DoWiFi
No more wires. Display over WiFi for Windows and Mac.

BrowserSlides
Allow audience to use web browser to view the presenting screen image and save them for note-taking.

SidePad
Use iPad/iPhone or Android Tablet/Phone to control the projecting PC or Mac.

WiFi-Doc
Project MS-Office files (doc/xls/ppt) and PDF documents from iPad/iPhone or Android Tablet/Phone.

MobiShow
Interactive PPT presentation via iPad/iPhone or Android Tablet/Phone.

Wireless Interactive Presentation Gateway WePresent WiPG – 1500

WiPG -1500 is a powerful wireless presentation tool. New features on WiPG-1500 make it a "must have" gear for creating a much more interactive presentation.

Direct Draw
With new annotation function, users can annotate on projecting screen, or on a virtual white/black board without any input devices.

IWB/Touch Screen Support
Users can do presentation via IWB/touch screen through driverless universal single-touch (UST) or install UoIP driver for multi-touch support.

AirPad
Write, draw and annotate on projecting screen via AirPad. Presenter can move freely by using AirPad to control the projecting PC/Mac.

Sender for Samsung Galaxy
Use MirrorOp sender to mirror the screen of your Samsung Galaxy devices. Bring your own Samsung Galaxy devices for presentation (BYOD).

Key Features:

- **SidePad** - Control the projection screen on PC or Mac via iOS or Android device
- **WiFi Doc** - High quality presentation via iOS or Android devices (Word, Excel, PPT, PDF, Photo, Screenshot)
- **DoWiFi** - Wireless presentation for Windows and Mac (Win: XP/Vista/7/8, Mac: 10.6/10.7/10.8)
- **4-to-1 Projection** - Project four PC/Mac screens or WiFi-Doc content to one projector/display at once
- **Conference Control/User-List** - Conference control function can be secured by password. Moderator can control who is projecting. Moderator can compare four screens side by side
- **WebSlides** - Broadcast slides to your devices with Wi-Fi and web browser. Audience can save the projecting slides for taking notes. WebSlides can be secured by password
- **SNMP v3** - Firmware upgrade via FTP. Enhance the remote SNMP manageability to higher security level.

collaborative room solutions

iRoom
intelligente Technik ®

market sectors

iRoom's iDock is noted for its brilliant design, clever engineering and high quality materials and is manufactured to the most stringent European standards. Thanks to all stages of concept to manufacture residing within the iRoom factory in Salzburg, iRoom prides itself on its ability to react to market needs and deliver products to market quickly. All iRoom products come with a 2 year warranty.

Motorised docking and release
Whether you're using your iPad™ to sit back and read the news or simply returning it to its in-wall 'home' you will enjoy the beautiful design and smooth action that has made iRoom's iDock a must have for iPad™ owners and integrators.

Always charged and safely stored
When you eject your iPad™, you'll know it's always ready to go. When inserted into the iDock you can continue to control audio and video equipment or smart home applications.

Full Installation flexibility
Enjoy your in-wall iPad™ the best way that suits the space with landscape and portrait orientation available. All models* use the same installation box and are fully compatible with all iPad™ 2nd generations and above.

"Intelligente Technik" in all ways
Docking status notification, automatic closing, automatic opening in case of power failure – the iRoom iDock has it all. Thanks to the modular system you can define which of the technical and security features you want to use.

Bring back the jukebox
The integrated audio outputs of the iDock make it possible to connect the iPad™ to every sound system allowing the iPad™ to be used as an audio source. Select and play songs from the docked iPad™ like a modern-day version of the old fashioned jukebox!

Matches your room perfectly
The continuous development of iPad™ applications create new ways and opportunities to integrate iPad™ every day. Often the missing piece in the puzzle is how to physically connect a space with iPad™. iRoom's iDock has helped solve this challenge.

Ideal for

- Private homes
- Hotels
- Hospitals
- Yachts
- Restaurants
- Board rooms
- Retail
- Medical practices
- Corporate entrances

* Except miniDock and fixDock

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iRoom®
intelligente Technik

Different Orientations, Finishes and Security Options...

Orientation

■ Landscape

■ Portrait

Finishes

■ Glass bezel
■ Aluminium bezel
■ Piano black finish
■ Opal white finish
■ Custom colours are available on request

Mechanism

■ **Motorised** - Dual motors for portrait and single motors for landscape orientations

■ **Manual** - Release button for cradle for easy removal of iPad

Security

■ **TouchCode** security

■ **KeyCard/** RFID security

KEY

Included ●

Optional ●

iDock Comparison	Landscape iDock	Portrait iDock	TouchCode iDock	Keycard iDock	Manual iDock	miniDock
iPad compatibility	2nd+ generation	2nd+ generation	2nd+ generation	2nd+ generation	2nd+ generation	iPad mini™
Motorised	●	●	●	●		●
Charging	●	●	●	●	●	●
iPad removable	●	●	●	●	●	●
Audio output	●	●	●	●		●
iPad security			●	●		
Aluminium finishing	●	●	●	●	●	
Glass finishing	●	●	●	●		●
120-240V	●	●	●	●	●	●
POE	●	●	●	●	●	●
Lightning connector	●	●	●	●	●	●
30-pin connector	●	●	●	●	●	

collaborative room solutions

Motorised docking station

Open by security code

Portrait / landscape orientation

iPad™ Docking System – TouchCode

The LED lit keypad is activated by a proximity sensor and will turn on after entering the security code. The iPad™ is continuously charged whilst in the docking station. With iRoom's iDock TouchCode the iPad™ is always safely stored and fully charged.

Features and benefits:

- Motorised docking and release
- Opening mechanism via 4-digit programmable code
- Back-up administration codes
- Closing mechanism via capacitive touch sensor
- Continuous power supply when docked
- Docking status notification
- Available in piano black and opal white
- POE and 240V included
- Custom colours and multiple codes set-up available
- Exchangeable guide rails for upgrades to new iPad™ models

A backbox **MUST** be used in every iRoom installation. Without the backbox the 2-year manufacturer's warranty is invalidated.

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iRoom®
intelligente Technik

Motorised
docking station

Open by
security token

Portrait / landscape
orientation

iPad™ Docking System – KeyCard

With integrated RFID opening system, the iPad™ can be securely locked in the docking station and can only be removed by using one of the programmed opening tokens. To eject the iPad™, the transponder token is held against the faceplate, the iPad™ moves into a 20 degree angle and can be taken out of the docking device. To close the docking station (with or without the iPad™), simply press the button on the top right corner.

Features and benefits:

- Motorised docking and release
- Opening mechanism via RFID based programmable tokens
- Scope of delivery: 1 master token, 4 programmable tokens
- Up to 50 programmable tokens per unit
- Closing mechanism via capacitive touch sensor
- Continuous power supply when docked
- Remote access to obtain docking status (yes/no)
- Available in piano black and opal white
- Exchangeable guide rails for future iPad™ models
- POE and 240V included

the world's best in-wall docking solution

iPad™ mini docking system

Installing the miniDock is quick and simple!

1. Install the backbox into the wall or table top
2. Connect mains power or POE
3. Push the iRoom's miniDock into the backbox. Make sure you do not damage the power lead and that the mechanisms are not inhibited by the power lead
4. Fix the miniDock in the backbox using the plasfast screw 3x12. Close the mounting hole using the dummy cover
5. Unpack the cover plate. Attach the cover plate to the frame of iRoom's miniDock
6. Ensure a proper locking of the magnetic mounting system
7. Switch on main power supply

Features and benefits:

- This is a motorised dock
- Charges the iPad™mini when the dock is closed
- Integrated lightening connector for charging
- Line level audio output

uniDock

Never again a charging cable!

The uniDock is a universal in-wall charging station for practically all mobile devices. The uniDock is made for a standard wall box and operates on the main voltage supply. Whether for Apple Lightning, Micro-USB-B or USB-A, you can choose your connector by a simple pull 'n' turn. The uniDock can also be used as a night light. Four LED lights can be dimmed with a simple touch sensor. If the uniDock is not in use, push it back to its home position.

Features and benefits:

- Universal charging station for most mobile devices
- Suitable for Apple Lightning connector, Micro-USB-B connector and USB-A 2.0 plug
- New or retrofit installation
- Fits in a regular European in-wall box
- Wall pull 'n' turn rotating system
- High power output 10W/2A for charging 2 devices at the same time
- Adjustable night light with touch button

projection screens

Projection has been around for centuries in many different forms, from storytelling at night using fire to create shadows onto a cloth surface, to magic lantern shows in the 19th century using coloured glass slides.

It was the movie industry, at the turn of the 20th century, which completely embraced projection onto a projection screen to give the visual "wow" factor for audiences around the globe.

The movie industry recognised that the projector and projection screen combination create the perfect visual experience for the audience to enjoy.

The same principles still apply today for every projector sold and the projection screen is actually the element of this visual partnership that the audience looks at.

The Projection Screen Basics...

What is a projection screen?

A projection screen is a specific surface that enables the image from a projector to be viewed by the audience. The surface has diffusion properties to ensure the projected image is spread across the whole viewing area. It is able to gain which is the amount of projected light that is reflected back to the human eye and in contrast which is level of colour intensify that the eye can see.

Why use a projection screen?

1. Black borders around the viewing area create the aspect ratio and draw the eye into the projected image giving a perceived clarity of vision

2. Projection screens are available in a range of different surfaces

3. The standard flat white surface ensures perfect colour rendition for modern projectors; high resolution and contrast

4. Projection screens are available for many different types of application. It is often forgotten that the projection screen is the element that the audience actually looks at!

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Choosing The Right Projection Screen

What is the resolution of your chosen projector?

This will enable the selection of the correct aspect ratio for the projection screen that will best suit the application. For example, if a computer with Powerpoint or Computer Video is needed then perhaps a 16:10 native aspect ratio would be the correct choice or if a DVD player is needed then 16:9 will be required.

Example of aspect ratios:

1:1	Overhead and opaque projection
4:3 (1.33:1)	Computer data and video
16:9 (1.78:1)	High Definition television – HDTV
16:10	Native computer format
15:9	Native computer format
5:4 (1.25:1)	High end data graphics
1.85:1	Widescreen (also known as Letterbox)
2.35:1	Cinemascope

Throw to width ratio for your chosen projector?

The installation of the projector in relation to the projection screen (throw distance) is related to the throw to width ratio that the lens / projector combination can achieve. Room dimensions are key to this.

A useful tool in determining this information is Projector Central who have a comprehensive calculating tool for a huge range of manufacturers and products. Visit: www.projectorcentral.com/projection-calculator-pro.cfm.

What are the dimensions of the room?

Determining the size of the projection screen viewing area in relation to the first audience position for business / education environment should be approx. 1.5x the viewing area height away, as a rule of thumb.

Height of the viewing area should be approx 1/6th the distance of the furthest audience position.

So the room dimensions are important in ensuring a screen viewing area size that can have text read easily by all the audience members, providing comfortable viewing.

What is the height of the ceiling?

The correct height from the floor to the bottom of the viewing area in a business environment for a 16:10 aspect ratio screen is between 100cm to 120cm and in a Home Cinema project with 16:9 this should be between 90cm to 110cm depending on the seating height. This ensures that the audience comfort is maintained for the duration of the showing.

With this in mind, the ceiling height will also play a crucial part in the maximum width of viewing area that will actually fit into the room and still be comfortably positioned.

projection screens

Stumpfl Projection Solutions

Founded by Reinhold Stumpfl over 35 years ago, Stumpfl continue to manufacture in their state-of-the-art facility in Wallern, Austria. Using high quality tools and machinery designed by Reinhold they have a small team of committed engineers. They also have offices in both the USA and Russia.

Projection screen range includes:
- Portable large folding
- Standard electric
- Fixed frame
- Borderless fixed frame
- Large electric
- Curved projection screens

Renowned for:
Portable large folding projection screens.

AV Stumpfl Vario curved projection screen
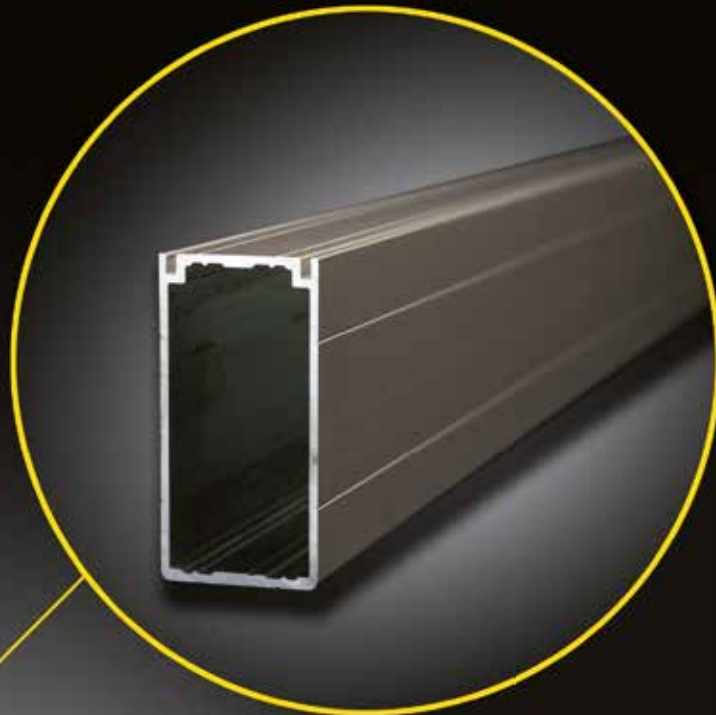
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The world's first mobile projection screen featuring a full clean profile without studs and press snaps.

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5 Year Warranty included. Lighten your way of staging.

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Manufactured in Austria.

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projection screens

DRAPER ®
www.draperinc.com

Draper Projection Solutions

Founded by Luther Draper in 1902 in the USA, Draper manufactures a comprehensive range of projection screens, projector lifts, plasma lifts and accessories. They have manufacturing facilities in Indiana, Ohio and California supplying customers around the world.

Projection screen range includes:

- Portable desktop
- Portable tripod
- Portable pull up
- Portable large folding
- Manual pull down
- Standard electric
- Large electric
- Fixed frame
- Tab tensioned
- Ceiling recessed
- Rigid rear projection

Renowned for:
The Access V Tab tensioned ceiling recessed projection screens.

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# 4K READY

TECVISION BY DRAPER®
Engineered Screen Technology

A New Reality in Picture Quality

Today's educational needs require a more advanced approach to AV integration in the classroom than has ever been possible in the past. Draper helps you fine-tune your projection system by choosing the right viewing surface for your projection environment.

Draper offers several powerful online tools and calculators, including our popular Surface Selector Pro. With the Surface Selector Pro, you can input specific variables about your projection system and receive recommendations for the right viewing surfaces, including Draper's new TecVision™ Engineered Screen Technology. The TecVision™ range of surfaces include four that are certified by the **Imaging Science Foundation (ISF)** for accurate colour reproduction.

Learn more about Draper's online tools by registering for the **Draper Pro Portal**, where you can find all of our screen selection calculators in one convenient place. Registration is open to anyone by visiting us at *draperinc.com/DraperPro*.
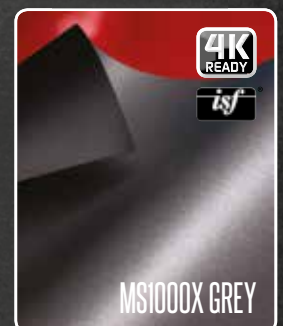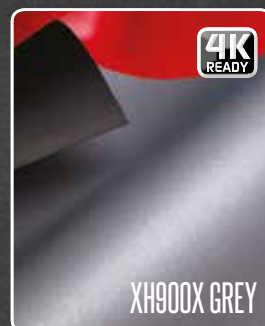
Want more information?

Full information about TecVision Engineered Screen Technology, including technical data sheets, brochures and informative videos are available on our website at the URL below or by scanning the QR code at the left.

XT1000X WHITE

XT1300X WHITE

XT1600X WHITE

XT1800X WHITE

XH900X GREY

MS1000X GREY

draperinc.com/go/TecVision.htm

projection screens

euroscreen®

Euroscreen Projection Solutions

In 1981 this small family owned business started up its operation in Halmstad on Sweden's west coast. In 2003 Draper Inc became the parent company and the company became Draper Europe AB in 2010. Since becoming part of the Draper Group they have been able to increase their portfolio to include projection screens and projector lifts.

Projection screen range includes:

- Portable tripod
- Portable pull up
- Manual pull down
- Standard electric
- Fixed frame
- Tab tensioned
- Ceiling recessed

Renowned for:
Sesame ceiling recessed projection screens.

euroscreen®

Introducing a new projection screen concept.

Thor
— the powerful hammer-wielding Norse God, who masters thunder and lightning and unrelentingly pursues his foes. Thor has lent his name to Euroscreen's latest exciting projection screen concept. The Thor model covers a projection screen range up to 450cm in width, and holds several of the much appreciated Euroscreen® characteristics, such as;

~ Built-in Euroscreen® Control Box

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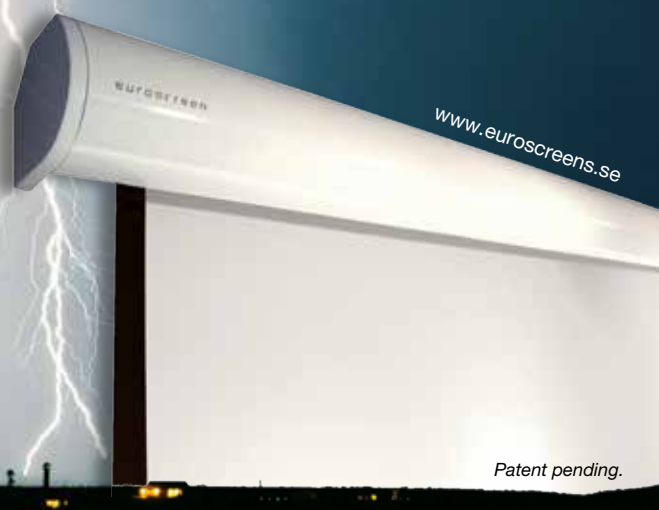
www.euroscreens.se

Patent pending.

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market sectors

Elite Screens Projection Solutions

Elite is a US company based in California USA with satellite offices in Germany, China, Taiwan, Japan, India, France and the Baltic States.

Projection screen range includes:
- Portable tripod
- Portable large folding
- Manual pull down
- Standard electric
- Fixed frame

Renowned for:
Built-in IR / RF controlled standard electric projection screens.

projection screens

Calculating the Correct Brightness for a Projector and Projection Screen Solution

The clarity of the projected image should possess in order for it to be perceived well (quantity of projected light coming from the projection screen) depends on the following points:

- The amount of ambient light present
- The reflection value of the screen fabric
- Light output of the projector (ANSI lumens)

For the optimum legible projection quality the size of the screen, the reflection value of the screen surface and the light output of the projector should all be attuned to one another.

The following formula applies in calculating this:

$$\text{LUX} = \frac{\text{Output ANSI lumens of projector}}{\text{Surface area of the screen in square metres}} \times \text{Reflection value of screen surface (gain)}$$

The perceived amount of light that is reflected by the screen is expressed in LUX, for an optimal image quality, the ratio between the LUX value of the projected image and the wall behind should be 5:1.

A rule of thumb which can be used with normal ambient light is that when the value of the wall behind is 80 LUX, the value of the amount of light that is emitted by the projection screen should approx 400 LUX.

LUX can be measured by using a photographic light meter.

Custom Projection Screens

We can offer the following customisation:

- The size of the viewable screen area
- The size of the black borders and masking around viewable area
- The amount of extra backdrop
- The fabric type (typically matte white or high contrast grey)
- The colour of the case (white or black)
- The colour of the dowel bar (weight bar at the bottom of the screen)
- The clients logo or your logo onto the surface

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market sectors

Da-Lite Projection Solutions

For over 100 years Da-Lite Screen Company Inc. has been manufacturing projection screens projection fabrics and projector lifts in their factory in Indiana USA. They have customers all over the globe and other manufacturing plants in Cincinnati and Wichita.

Projection screen range includes:

- Portable desktop
- Portable tripod
- Portable pull up
- Portable large folding
- Manual pull down
- Standard electric
- Large electric
- Fixed frame
- Tab tensioned
- Ceiling recessed
- Rigid rear projection
- Electric uprising

Renowned for:
Custom projection screens.

DA-LITE
www.da-lite.com

projection screens

SI Projection Solutions

Operating from their factory in Udine in the north of Italy, SI have been producing projection screens and lifts since 2001. Although only a young company, the engineering team has many years' experience with developing projection screens and projector lift solutions.

Projection screen range includes:
- Standard electric
- Large electric
- Fixed frame
- Tab tensioned
- Ceiling recessed
- Projection screen winch system

Renowned for:
Large electric and fixed frame projection screens.

SI provides the best *customized* and *large projection screen* solutions for **AV Professional** and Home Cinema applications.

Warranty 2 years

We supply a wide range, type and size of projection screen up to 12 m width also supplying accessories such as false ceiling kits for electric screens and winch systems.

A full range of motorized projector lifts suitable for different loads and with several drops available from stock.

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projection screens

Planning and Installation Tips

To ensure that you are installing a projection screen that is optimum choice for the room, information is key, so the following tips can help make up the details you will need to make an informed decision.

1 Resolution of your chosen projector - this will determine the aspect ratio of the projection screen.

2 Throw to width ratio of your chosen projector - this will determine the projector position in relation to the projector screen width achievable.

3 Room dimensions, with ceiling height being the most important. Ceiling height will determine max projection screen viewing area height achievable whilst still maintaining the 100cm requirement from floor to the bottom of the viewing area.

4 Type of portable projection screen - tripod, pull up, large folding type.

5 Type of installed projection screen - manual pull down – fixed frame – standard electric – ceiling recessed electric.

6 Thorough site survey of the room to ensure all of the above details are able to be achieved safely, whilst maintaining correct position of the projection screen and to also understand exactly what type of construction of wall (i.e. brick – thermal block – concrete block- plasterboard stud wall etc.).

7 Alternatively, if the wall is not an option then surveying the ceiling void if suspended or if fixed ceiling with a "joist finder" to see if fixing to a joist is possible. The channel fix type of screen design allows for a certain amount of latitude in fixing with the ability to position the bracket along the case length.

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8 Installation using plasterboard fixings on the ceiling boards alone may not provide the strongest or safest method; it should be considered that even a 1500mm wide manual pull down screen will weigh 6-7kg.

9 Use of a 'cable finder' will help ensure that the install position will not conflict with any other power supply.

10 For electric projection screen installations, systems like the Euroscreen "Easy Connect" can make wiring easy and safe to achieve, the supplied 3m power cable not only pushes in and locks onto the screen case but comes supplied with a UK 3pin plug to go into an electrical socket. Any electrical spur required to supply the screen or screen wiring should always be installed by a qualified electrician.

11 Any installer not understanding wiring diagrams supplied with projection screens and accessories should contact a qualified electrician.

12 Make sure that the area below where the screen is going to be installed does not have any obstacles that would impede a manual or electric roll down version once fully extended.

13 Always ensure that the projection screen can actually physically fit into the proposed installation area. If you need to get the screen around stairwells or through doorways careful measurements of the site before purchase is undertaken.

14 On electric projection screens the 'DOWN' limit switch only can be adjusted to not drop down as far (adjustment to drop down further not recommended as this will compromise the safety of the fabric overlap on the roller which could cause the surface to fall off). Adjustment of half a turn at a time is recommended normally using a 4mm Allen Key. Always read the installation instructions.

15 The factory set 'UP' limit switch should never be adjusted as damage could occur by the dowel bar being forced into the case by incorrect adjustment.

16 When integrating electric projection screens with remotes or control systems the 'DOWN' limit adjustment must be complete before introducing the remote or control system for safety. We recommend using a cable like the Euroscreen 3m cable with inline switch and UK plug as this facilitates fingertip control using the inline switch to ensure no over adjustment can occur causing damage.

17 Integration of electric projection screens with control systems can either be with infra-red or contact closure. (Infra-red signals can be tested using the camera on a mobile phone which the human eye cannot detect but the phone can).

Summary

Always ask the questions and get the answers before you buy the projection screen. Always do a site survey beforehand following the tips outlined above and bear in mind that the optimum size for a screen is when you don't have to strain to see the whole picture, so do not make the mistake of installing a screen that is too big for the room.

Provide us with as much information as possible and we will do our best to guide you, and remember if an off the shelf product does not suit your particular application; a custom screen could be an option. Once again we can advise you on this too.

P.S. Do not expect to receive screw fixings with your screens. We often get asked for guidance on the types of fixings and manufacturers never supply them as there is no way the can supply every type of screw-bolt etc. for every possible application. You can plan for this when you know the screen and the fixing surface you are dealing with.

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The broadcast target market is not actually the BBC, ITV or Sky, but those in corporate communication, education, the arts, emergency and military services. With the dramatic reduction in hardware costs and the consumer demand for High Definition, end users expect to be able to have access to the quality of video and service that they currently take for granted at home. This demand is set to increase further as uploads to social media and other websites become more common place.

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Studio

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Livestream's mission

To democratise live video broadcasting and provide the tools to bring every event live online.

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Transform your PC into a professional live production control room

Beautifully crafted, with unmatched build quality, the Studio Surface is the finishing touch for any Livestream Studio.

Surface encompasses all of Studio's broad functionality in an intuitive and familiar layout that you can take with you on the road. Tactile controls give you quick access to critical functions, including full motorised audio mixing and assignable triggers for current and future Studio features. Modular by design, Surface can be expanded as your production needs grow. Studio Surface is compatible with any hardware or software edition of Studio.

Included with every Studio: 1 year warranty   1 year phone support   Free software upgrades

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Studio HD51

Beautifully Integrated Hardware & Software

Kickstart your production workflow with five HD-SDI or HDMI inputs, all the Studio Software features, and a high performance system. Studio HD51 is the perfect combination of powerful, simple and affordable. Simply plug in a screen and go.

Features and benefits:

- 5x SDI inputs
- 1x SDI / HDMI output
- Up to 2 screens
- 2x remote camera tracks
- 2x media tracks
- 3 GFX tracks
- 20 hours of broadcast quality recording
- Analogue audio in
- Optional included rack-mount ears
- Front-panel USB / headphone

Studio HD500

Portable All-In-One Live Production Switcher

Studio HD500 is the original, portable live production switcher. With a built-in display, 5 inputs, a top handle and a carrying case (included) the HD500 is a flexible, yet powerful solution for your multi-camera production.

Features and benefits:

- 4x SDI inputs
- 1x SDI input / output
- 1x HDMI input / output
- Front-panel USB / headphone
- 2x remote camera tracks
- 2x Media tracks
- 3 GFX tracks
- 10 hours of broadcast quality recording
- Analogue audio in
- Tom Binh bag

Studio HD510

Ultra-Portable All-In-One Switcher, with Integrated Touch-Screen

Studio HD510 is the ultimate portable live production switcher. With a built-in touch-screen display and unique form factor, the HD510 will give you flexibility and performance on the go. Studio HD510 can even be carried on a plane using the provided carry bag.

Features and benefits:

- 5x HDMI or SDI inputs
- 1x SDI / HDMI output
- Tom Binh bag
- Integrated bonding
- 2x remote camera tracks
- 2x media tracks
- 3 GFX tracks
- 20 hours of broadcast quality recording
- Analogue audio in
- Integrated touch screen
- Up to 1 additional screen
- Optional included rack-mount ears
- Front-panel USB / headphone

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Monitors not included

Studio HD1710

Supercharged Rack-Mount Switcher with Bundled Control Surface for the Most Demanding Productions

Perfect for control rooms, production trucks, venue and studios where a rack mountable form factor is a must. Studio HD1710 combines big switcher production capability with an affordable price.

Features and benefits:

- 17 x SDI inputs
- 1x SDI / HDMI output
- 2x remote camera tracks
- 2x media tracks
- 3 GFX tracks
- Dedicated analogue audio in via Studio (total 2)
- 60 hours of broadcast quality recording
- Up to 4 screens
- 2x removable 2TB drives
- SSD system for fast boot
- Removable rack mount slide rails
- 64GB DDR3 RAM
- Front-panel USB / headphone

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- * Livestream Studio required

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- 3G/4G via USB
- 802.11 b/g/n
- Line-in
- Ethernet
- Audio line-in

Announcing Roland XS Series Multi-Format Matrix Switchers

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Multiple Output Modes - Multiple Applications

XS-84H   8-in 4-out   XS-83H   8-in 3-out   XS-82H   8-in 2-out

A single solution for multiple applications.
Matrix Mode • Span Mode • Mirror Mode • 4K Mode

A very adaptable unit supporting eight HDMI, RGB/Component/ S-video/Composite inputs and up to four HDMI or HDBaseT outputs with scalers to support picture-in-picture, resizing, rotating, and flipping. Audio can be embedded into outputs via 8 stereo audio inputs (2 mic) and/or HDMI audio as well as de-embedded on output. Additional features include iPad control, EDID emulation and blazingly fast HDCP key management.

XS-84H   **Rear Panel**

Application Examples
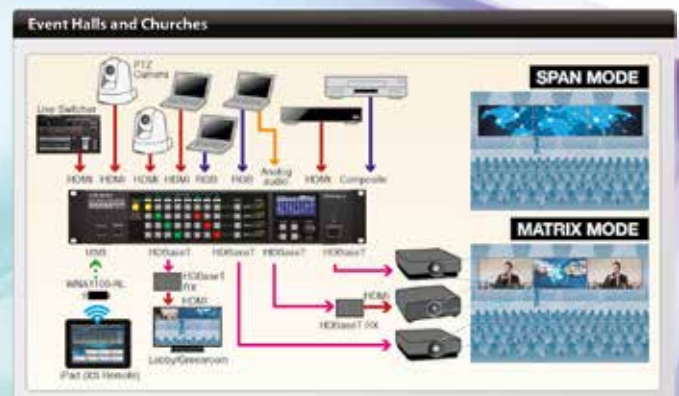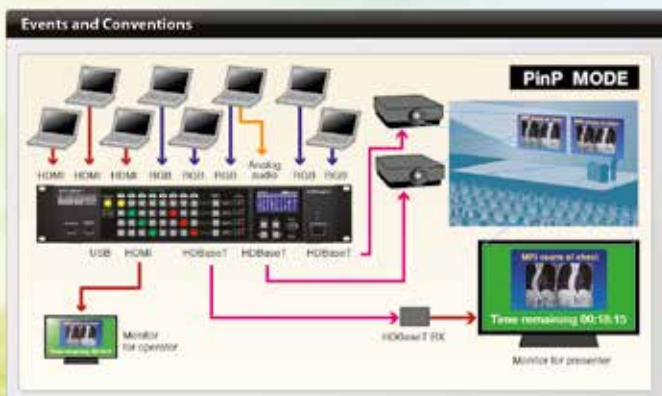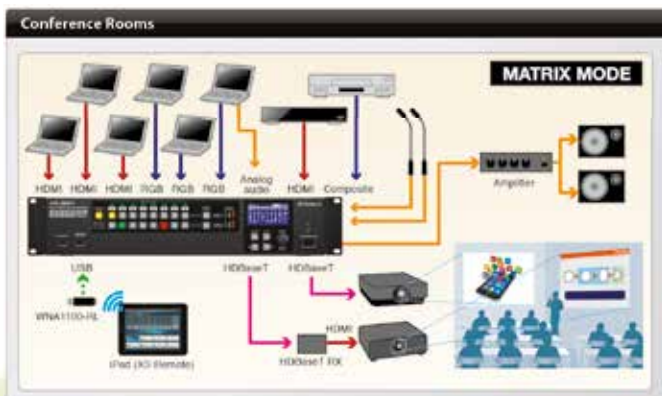
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Roland Systems Group UK, a member of the Roland Group of companies, is dedicated to the support of audio and video professionals demanding excellence in both performance and system design.

Through the development and support of video and audio products, we endeavour to improve workflow and maximise creative possibilities across a variety of markets. Markets we serve include Broadcast, Education, Live Production, Theatre, Videography, Visual Performance and Worship.

AV Mixer
VR-3EX

An all-in-one AV mixer with built-in USB port for web streaming and recording

The Roland VR-3EX is the next generation 4-channel SD performance mixer which features HDMI inputs/outputs, USB streaming, HDCP support, built-in touch multi-viewer, an audio mixer all in a compact portable unit. Designed to be a live production switcher the built-in audio mixer with up to 4 frames delay to "lip-sync" your video source, scaling on the output allows you to output up to 1080p HD video and audio quality.

Multi-format AV Mixer
VR-50HD

An all-in-one HD multi-format AV mixer with built-in USB 3.0 for web streaming and recording

A complete portable HD studio in a single unit, single-person operation of sound and picture using faders, buttons and touch screen. The Roland VR-50HD all-in-one AV mixer beautifully integrates an audio mixer, video switcher, multi-viewer touch screen and USB video/audio streaming into a stand-alone device. This single unit delivers functionality that until now required a number of peripheral devices to accomplish.

Multi-format Video Switcher
V-40HD

Four multi-format channels at the pinnacle of HD picture quality

The V-40HD Live Video Switcher is ideal for any live event or installation that requires the freedom to connect a variety of sources whether they are digital or analogue, computer or video format. It is particularly positioned to support configurations using popular HDMI cameras as well as computers.

Multi-format Video Switcher
V-800HD

Picture quality at the pinnacle of High Definition, eight multi-format channels from sixteen inputs

The V-800HD Live Video Switcher is ideal for any live event or installation that requires the freedom to connect any type of source whether it is digital or analogue, computer or video format. Every input has its own broadcast quality Scaler that can individually scale, stretch, crop and zoom each source as required to fit any output resolution chosen. The V-800HD is HDCP compatible and also features a built-in multi-viewer output that provides a convenient monitoring solution when connected to an HDMI monitor. The eight mixing channels provide connectivity to 3G/HD/SD-SDI, DVI-A/DVI-D/HDMI, RGB, component, and composite formats – as well as an additional two channels for still images assignable via USB memory stick or frame grab.

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The Panasonic Broadcast and ProAV range offers some of the industry's best-performing products. Our range of products includes AVC-ULTRA, P2HD and AVCCAM cameras, live switchers and mixing desks for use in the studio or compact models for outside broadcast and live image mixing in the field, professional monitors, remote camera operating systems, studio camera systems, a full range of accessories, complimentary software and recording media.

High-Quality, Highly Functional HD Box Cameras for Versatile Indoor and Outdoor Use

Remote Camera Systems - Convenient for capturing images at concerts, weddings and more

Full HD Integrated Pan-Tilt Camera
AW-HE60S/H

For small or medium scale shooting, such as education, business and wedding applications.

The line-up consists of two models, the AWE-HE60S SDI model, which is optimal for content production, and the AW-HE60H HDMI model, which is ideal for image distribution in applications such as video conferences. In addition to IP control, both models can be connected to existing controllers with serial control. An attractive form that blends with its surroundings and a cable cover that minimises clutter allowing shooting without adversely affecting the mood of the installation location.

Integrated Pan-Tilt HD/SD Camera for a Wide Range of Shooting Conditions
AW-HE120

Ideal for shooting in large places such as concert halls and government chambers.

An integrated remote video camera with a pan-tilt head, the new AW-HE120 has a compact design approximately 60% both smaller and lighter than its predecessor, the AW-HE10, as well as a more powerful 20x zoom lens and a 2.2 megapixel U.L.T 3-MOS image capture system with support for Full HD video.

In addition to preserving compatibility with remote controllers designed for earlier remote camera systems, the AW-HE120 supports remote operation via an IP connection as well. The camera is designed to be easy to install and is available in two colours, pearl white and black metallic, to match a variety of usage situations.

New AV-HS410 Live Switcher with Substantially Improved User Interface and Excellent Expandability
AV-HS410

A rival to high-end switchers in performance and ease of operation into a compact, integrated body.

The AV-HS410 is an HD/SD selectable 1ME switcher that rivals many high-end switchers by incorporating a host of inputs and outputs, effects and system expandability into its compact, 19 type, half-rack size. It comes standard with 9 inputs and can increase a maximum capacity of 13 inputs when optional boards are mounted. It provides versatile effects, including transitions with digital video effects and Primatte® chroma key. It's 177.8mm (7 inches) colour LCD monitor improves operability by an easy-to-see setting screen, new video memory, Memory Preview, enhanced MultiViewer functions, and a button layout that is designed to simplify live relay operation.

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market sectors

Avaya is a global leader in enterprise communications systems. The company provides Unified Communications, Contact Centres, Data solutions and related services directly and through the channel to leading businesses and organisations around the world. Enterprises of all sizes depend on Avaya for state-of-the-art communications that improve efficiency, collaboration, customer service and competitiveness.

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Mobile   Desktop

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Executive desktop

Meeting room solutions

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From software client apps on your Mobile device to service provider class infrastructure hardware, Avaya's SCOPIA has even the largest video.

* Note - SCOPIA Desktop and SCOPIA Mobile clients require the use of SCOPIA Desktop or SCOPIA XT Desktop server

SCOPIA infrastructure solutions

SCOPIA XT Executive 240 desktop solution

SCOPIA Video Conferencing solutions

AVAYA video support services

SCOPIA XT meeting room solutions

SCOPIA desktop and mobile client apps

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market sectors

AVer ™

Why AVer VC?

AVer video conferencing can be summed up in one simple phrase... more for your money!
Effortless video conferencing at an incredibly affordable price is what AVer promises for all of
its video conferencing solutions and that is exactly what users have come to expect.

Hardware Endpoints - Meeting Room Solutions

EVC130

- HD 1080p 30fps
- HD 720p 30fps
- H.323/SIP
- Data-sharing up to 720p30
- Pan and tilt HD camera
- Dual screens supported
- EVC microphone array
- Point to point only

EVC130P

- HD 1080p 30fps
- HD 720p 30fps
- H.323/SIP
- Data-sharing up to 720p30
- Pan, tilt and 16x zoom camera
- Dual screens supported
- EVC microphone array
- Point to point only

EVC300

- Full HD 1080p
- Pan, tilt and 16x zoom camera
- 4-way HD MCU
- H.323/SIP
- Data-sharing up to 720p30
- EVC microphone array
- Dual screens supported

EVC900

- HD 1080p 30fps
- HD 720p 30fps
- H.323/SIP
- Data-sharing up to 720p30
- Pan, tilt and 16x zoom camera
- Dual screens supported
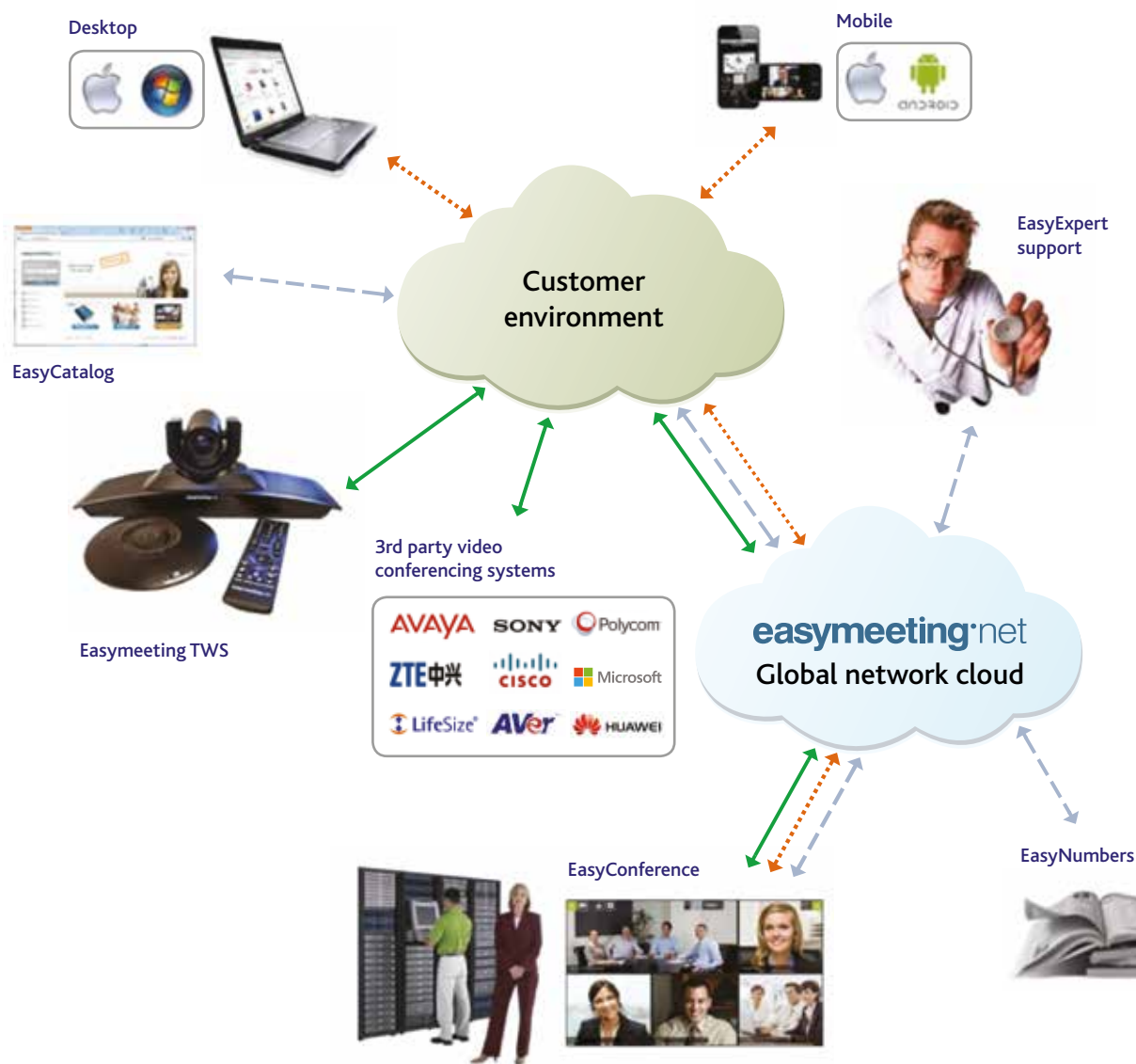- EVC microphone array
- 10-way HD MCU

video conferencing

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We believe that video conferencing can be the most time efficient communication tool in the world. But first, it needs to be accessible to small and large companies alike. We offer a solution for you to have face to face business meetings with your contacts all over the world; without the hassle and instability of the traditional video conferencing world.

Professional Video conferencing made easy... **easymeeting**·net

Desktop

Mobile

EasyExpert support

Customer environment

EasyCatalog

Easymeeting TWS

3rd party video conferencing systems

AVAYA   SONY   Polycom

ZTE中兴   CISCO   Microsoft

LifeSize   AVer   HUAWEI

easymeeting·net
Global network cloud

EasyConference

EasyNumbers

truecolours
true-colours.net

FREE 14-day free trial - visit www.easymeeting.net/truecolours

SONY

Energise business communications, distance learning and remote consulting with easy to use video conferencing systems by Sony. Effortlessly share HD video plus high-quality voice and PC presentations across multiple sites. Conference over IP or ISDN network connections.

Richer, More Rewarding Communications

Share video, voice and PC presentations with HD quality, ideal for a wide range of business communications. The PCS-XG100 and PCS-XG77 videoconferencing systems offer superb picture and sound quality, plus smart features to enrich collaboration across your organisation.

Express Yourself Clearly with Full HD 60p Image Quality

The **PCS-XG100** lets you communicate more clearly and productively with detail packed video conferences at Full HD (1920 x 1080) resolutions for exceptional realism. (PCS-XG77:720p). With frame rates as high as 60fps, conferences are smoother and more natural.

Ideal for
- Mission-critical business communications
- Virtual meetings and collaborative projects
- Remote working
- Medical consulting
- Distance learning and training
- Higher education
- Remote broadcast interviews

Top - PCS-XG100; right - PCS-XG77

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SONY

commercial and professional audio

Based in Manchester, RW Salt are renowned as the leading wholesale distributor of commercial and professional audio products in the UK.

This reputation has been earned through their strict trade only supply policy, the industry-leading technical support that they offer to their customers and the unsurpassable levels of customer service experienced by the installers, hire operators and resellers that have sourced audio products via RWS since 1987.

Whether you are looking to simply source products on a wholesale basis or need assistance with the planning, specification and design of sound systems for your next project, RWS have experience in providing a full service portfolio for many varied installations including: churches, schools, pubs, nightclubs, airport terminals, theatres, sporting and entertainment arenas, hotels, supermarkets, distribution centres and even stadiums.

Whatever you need, RW Salt can provide a full technical support and design package to suit you and your clients, backed up by the supply of all of the world's leading audio brands.

Authorised trade distributors for:

AKG, ALLEN&HEATH, APart, AMPETRONIC, audio-technica, BALDWIN BOXALL COMMUNICATIONS, BOSCH, Cloud, CT, contacta, crown, dbx, DENON, DNH, ES by Canford, iDAL, interM, JBL, M Martin Audio, NEXO, Peavey, PENTON, QSC, RCF, SAMSON, SENNHEISER, SHURE, SigNET, Soundcraft, TASCAM, TEAC, TOA, TRACTION SOUND, TRANTEC, Turbosound, Wharfedale, WORK, YAMAHA

For further information call our Audio specialists, RW Salt, on 0161 868 1240.

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Network Systems – IP surveillance

IP surveillance opens up a wealth of new business opportunities and True Colours' competency in this area is second to none.

We have unparalleled knowledge and expertise that has been proven on some of the country's key projects. True Colours were closely involved with installations for Transport for London, the Ministry of Defence and London Underground – so you know you will be in the safest of hands.

Supplying the security industry with analogue and IP solutions from world leading brands, True Colours combine the technical expertise and personal service typical of specialist firms, with the logistical and financial strength of a powerful parent company.

Our broad portfolio includes a vast range of surveillance cameras suitable for many environments, recording equipment, access control devices as well as all the necessary components you will need for a comprehensive and seamless installation, regardless of its size and complexity. And of course, with our highly qualified technical team just a phone call away, we will partner you through all your installations to help you provide the best service and greatest profits.

Furthermore, we are now able to offer a full 'hands-on' experience courtesy of our fully-equipped command and control demo facility – available for training and demonstrations for both you and your customers. We also stage regular workshops at our state-of-the-art Berkshire headquarters where you can learn about new solutions in a practical manner.

This support and training of the latest developments in security technology is an indicator of the lengths we will go to ensure you receive the very best advice, service and expertise available in the industry today.

For further information call your account manager today.

true-colours.net

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