Aetria®
Control rooms made simple

Engineering the world’s best visual solutions
The changing requirements of modern control rooms

Today’s control rooms are more complex than ever before. Solutions need to balance managing the increasing quantities of sources, content and data, with maintaining total reliability and usability for the operator.

Key challenges
The growing complexity of control rooms present great challenges for System Integrators.
- Delivering the right solution: Producing solution designs driven by end-user requirements.
- Knowing what works: Maintaining a full understanding of the capabilities, compatibility and limitations of all software and hardware that forms part of the solution.
- Customer support: Enable ongoing maintenance and support for a solution built on technologies from different vendors.

Aetria, control rooms made simple

Aetria is Datapath’s integrated solution for the design, management and operation of control rooms of any size.

With Aetria…
- System integrators have the freedom to design and deploy the right solution by following a structured, integrated process.
- Configuration of all connectivity to workstations, video walls, sources, layouts, and templates are managed and operated from a single interface.
- As sources get delivered directly to the workstation with instant KVM control, users can focus on their core objectives, rather than how to make the technology work.

Aetria, control rooms made simple
**Aetria** is the **complete solution**

Aetria has been developed with system integrators and end-users in mind.

For the System Integrator:
- **Single integrated platform**
  - Full end-to-end design, management and control of your project from a single, intuitive interface.
- **Freedom to design**
  - Design solutions based on user requirements, not technical capabilities and limitations of specific products.
- **Management of all solution components**
  - Easily configure and manage all workstations, video walls, sources, and connectivity between them.
- **Simplify control for operators**
  - Pre-configure templates, layouts and sources for quick recall by operators.
- **Built-in monitoring & diagnostics**
  - Aetria monitors all solution components to ensure smooth operation and swift response if issues occur.

For the Operator:
- **Any source, any screen**
  - Flexibility to route multiple copies of sources to any workstation or video wall in the control room.
- **Single integrated platform**
  - Operation and control of the entire control room from a single, intuitive interface.
- **Distraction-free operation**
  - Aetria works behind the scenes, ensuring operators are free to focus on their primary objectives.
- **IP KVM**
  - Workstation options are available for source display with keyboard & mouse control using IP-based KVM, along with the option for sources to be displayed and controlled within a Windows desktop environment.

Single, intuitive interface for the end-to-end design, management and control of your entire control room.

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**Aetria Integration Options**

An overview of the available options for integrating operator workstations, content sources, video walls and networks in Aetria.

**Workstations**
These workstation options, each with KVM control options, can be integrated within the Aetria system.

**Aetria Workstation**

Aetria Workstation allows operators to organise, view and control HD & 4K content on any workstation screen.

**Arqa**

Arqa workstations allow multiple sources to be viewed and controlled in HD.

**Aligo**

Aligo workstations allow multiple sources to be viewed and controlled in 4K and/or HD.

**Aetria Network Manager**

Aetria Command Center

Layouts

Templates

Assets

**Source Capture**

A range of sources can be connected to Aetria, using Aligo and Arqa transmitters or VSN controllers configured with Datapath capture cards. SQX technology can be used to decode hundreds of IP sources for display on any connected workstation or video wall.

**Video Walls**

Video walls can be powered via two options.

**External Sources**

Hundreds of external third-party sources of multiple types can be configured for seamless display and control by operators. All centrally managed and configured from within Aetria.

**Aetria WallControl**

Use a VSM controller in combination with Arqa and Aligo receivers to capture content in 4K and HD for direct display anywhere on the video wall.

**Aligo Receivers**

Use Aligo Receivers to drive 1 x 4K screen or 4 x HD screens per receiver.
AVoIP Connectivity

Aligo
Aligo, Datapath’s AV-over-IP solution, provides visually lossless 4K content across a dedicated AV network and compressed streams on low-bandwidth infrastructure at the same time, delivering unprecedented quality and flexibility in content distribution.

Arqa
Arqa video distribution system with KVM has been developed specifically for demanding command and control environments and other critical AV applications. Arqa gives operators access to multiple remote sources from a single workspace, without sacrificing video quality or round-trip latency.

Aetria Components
Datapath provide complete Aetria control room solutions, including all software and hardware components.

Aetria Designer
Aetria Designer is the dedicated design software for Aetria solutions. It is provided free of charge and can be installed on any Windows 10 system.

Designs can be created without being connected to a network, making it easy to create, review and approve designs any time, anywhere.

Aetria Command Center
Sitting at the heart of the Aetria solution, Aetria Command Center provides a comprehensive, centralized interface for system integrators to design, manage and deploy control rooms solutions. Once deployed, control room operators use Aetria Command Center to quickly and easily view the sources they need in real-time on any connected display surface.

Aetria Workstation
Aetria Workstation gives Control Room Operators the flexibility to view multiple sources on their local workstation screens. Using single or multiple monitors, operators can segment their desktop into dedicated zones to display any combination of sources available in Aetria alongside their main desktop and local applications.

Hardware-based IP KVM Workstations
Workstations are created using multiple Aligo or Arqa receivers. Operators can then seamlessly push and pull any source to any workstation or video wall using an intuitive on-screen interface.

Aligo
Visually lossless 4K content with real-time KVM control and simultaneous compressed streams for every source.

Arqa
Secure access to multiple remote HD desktops over a low-bandwidth network from a single workspace.

VSN Wall Controller
VSN video wall controllers are supplied into many mission critical and crisis room applications. The VSN video wall controller systems are capable of integrating many types of video and data sources onto any display configuration, using Datapath’s latest generation of video capture cards and graphics cards.

Aetria WallControl
Aetria WallControl runs on a Datapath VSN controller to connect Aetria to a video wall, enabling seamless integration of video walls into the Aetria ecosystem.

Aetria Walls
Video walls can be directly driven by Aligo receivers, with a single receiver able to drive a 4K display or up to four HD displays.

For more information on our wide range of video distribution systems, contact us on +44 (0) 1332 294441 or +1 484 679 1553 (for US) alternatively email sales@datapath.co.uk

Find out more on how Aetria can help in your next control room installation.

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