

# Integrated Video Wall Management Applications.

## MuraConfig & MuraControl — Included with Every Mura DVW Appliance.

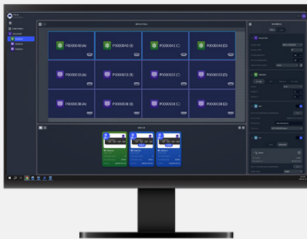
Modern control rooms, command centers, corporate visualization environments, and AV deployments require video wall management solutions that are scalable, easy to deploy, and simple to operate. Many video wall systems still rely on dedicated management workstations, software installation, and ongoing maintenance.

Matrox Video's Mura DVW appliances simplify deployment by integrating video wall management applications directly into the appliance. MuraConfig and MuraControl provide administrators and operators with a complete environment to configure, deploy, monitor, and control video walls from virtually any modern web browser.

This integrated approach reduces deployment complexity, eliminates dependence on external management PCs, and provides the flexibility to manage video walls from centralized or remote locations.

## Two Applications. One Complete Solution.

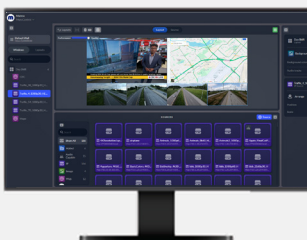
### MuraConfig.



#### Configuration & Deployment

- Discover and configure distributed wall devices
- Configure wall topology and display arrangements
- Manage synchronization and display settings
- Monitor system health and device status
- Centralize firmware and system management

### MuraControl.



#### Operations & Layout Management

- Create and manage video wall layouts
- Compose multi-source content on the canvas
- Preview IP video and web sources in real time
- Interact with web-based content remotely
- Deploy and switch layouts on demand

## MuraConfig — System Configuration.

Provides administrators and integrators with centralized tools for deploying and configuring distributed video walls, managing devices, defining wall topology, and maintaining system synchronization across the installation. Designed to simplify deployment workflows, MuraConfig consolidates infrastructure-level configuration and device management into a unified interface accessible directly from a standard web browser.

### Centralized Device Management

MuraConfig automatically discovers Mura DVW devices on the network and centralizes configuration and administration tasks within a single browser-based environment. Administrators can monitor device connectivity, manage wall membership, coordinate firmware updates, perform restart and recovery operations, and simplify deployment across distributed installations.

### Video Wall Topology Configuration

The platform enables flexible configuration of wall layouts and display topology, including monitor arrangement, wall dimensions, orientation, and synchronization settings. This allows integrators to adapt the system to a wide variety of deployment environments.

### Live Calibration & Display Alignment

MuraConfig includes a live operational mode that enables real-time calibration and validation directly on the video wall. Integrators can adjust projector edge overlap for seamless image blending, compensate for monitor bezels to maintain image continuity across displays, and validate monitor orientation and wall arrangement in real time.

### Display & Synchronization Control

MuraConfig provides tools for configuring display parameters and ensuring synchronized playback across the distributed wall. Synchronization controls help maintain visually coherent presentation of content across multiple displays and devices.

### EDID & Display Stability Management

Global EDID emulation maintains display timing and resolution consistency across the wall, helping prevent signal renegotiation issues or display interruptions caused by disconnected monitors or changing display states.

## MuraControl — Video Wall Operations.

Gives operators a real-time, intuitive environment for building and managing wall layouts, composing content from multiple source types, and interacting with live content — all without leaving their workstation. Designed for operational flexibility, MuraControl combines layout composition, source management, live preview, and interactive control capabilities into a centralized browser-based workspace.

### Visual Layout Composition

MuraControl provides an interactive canvas-based workspace for designing video wall layouts in real time. Operators can freely drag, resize, position, crop, and layer sources across the wall surface while incorporating text overlays, labels, alerts, and background images to create highly customized operational views optimized for monitoring, collaboration, and presentation environments.

### Multi-Source Management

MuraControl enables simultaneous composition of diverse content sources, including IP video streams, web applications, dashboards, images, and branding assets. Sources can be reused across multiple layouts and independently managed to maximize operational flexibility.

### Dynamic Wall Operations

MuraControl centralizes day-to-day video wall operations within a browser-based management environment. Operators can activate, modify, switch, and update layouts on demand without interrupting system operation, enabling rapid adaptation to changing operational requirements.

### Interactive Content Control

For interactive web-based sources, operators can remotely control displayed content using keyboard and mouse input directly from the MuraControl workstation. This allows real-time interaction with dashboards, browser sessions, and web applications displayed on the video wall.

### Real-Time Preview & Validation

MuraControl provides live preview capabilities for active IP video streams and web-based sources directly within the operator interface. This enables rapid content validation and operational verification before or during deployment without requiring direct visual access to the wall.

## Application Specifications.

Common to Both Applications	
<b>Included With</b>	Mura DVW appliance — no separate purchase required
<b>Access Method</b>	Browser-based; no software installation required
<b>Supported Browsers</b>	Google Chrome, Microsoft Edge
<b>Remote Access</b>	LAN access with user authentication and login
<b>Language Support</b>	English, French, Spanish, Italian, German
<b>System Tools</b>	Log download, firmware update, system restart, recovery

MuraConfig — System Configuration & Setup	
<b>Device Discovery</b>	Automatic (same subnet); manual addition for cross-subnet devices
<b>Max Appliances</b>	Up to 16 Mura DVW appliances in a single distributed video wall
<b>Wall Arrangements</b>	1x1, 1x4, 2x2, 4x1 and custom configurations
<b>Outputs per Appliance</b>	Up to 4 outputs per appliance; maximum resolution 4K60 per output
<b>Monitor Orientation</b>	Landscape and portrait (rotation) support
<b>Configuration Modes</b>	Offline (setup) and Live (real-time bezel alignment & output verification)
<b>IP Configuration</b>	IPv4/IPv6, DHCP, Static IP, DNS, Hostname, Host Mapping
<b>Time Synchronization</b>	NTP (centralized) and PTP (leader/follower, enabled by default)
<b>EDID Management</b>	Pin to wall; upload (.bin) with custom resolution support; capture from display; global emulation
<b>Security</b>	HTTPS, password-based authentication, per-device credentials
<b>Firmware Updates</b>	Multi-device simultaneous update with progress monitoring
<b>Diagnostics</b>	Centralized log download; real-time CPU/GPU/memory monitoring

## MuraControl — Video Wall Operations

<b>Layout Management</b>	Create, Save, Preview, Apply, Activate, Rename, Delete, Favorite
<b>Source Types</b>	IP Streams, Web Sources, Images & Demo Sources
<b>Streaming Protocols</b>	RTSP, SRT, MPEG2-TS; Unicast, Multicast, Multiple Unicast
<b>Source Swapping</b>	Replace source within any canvas window without recreating the layout
<b>Canvas Editor</b>	Drag-and-drop, grid-free positioning, z-order, zoom/pan, background image
<b>Web Source Control</b>	Remote keyboard and mouse interaction with web-based content on the wall
<b>Live Source Preview</b>	Preview IP video and web sources of active layout from the control interface
<b>Image Sources</b>	Scaling, transparency, and alpha keying support
<b>Text Overlay</b>	Font, size, color, background, position; multiple overlays per source
<b>Media Library</b>	Search, filter, download, and delete uploaded media assets
<b>Backup &amp; Restore</b>	Export/import configurations (.zip); supports deployment cloning