vis|ability 6.7

Features & Benefits

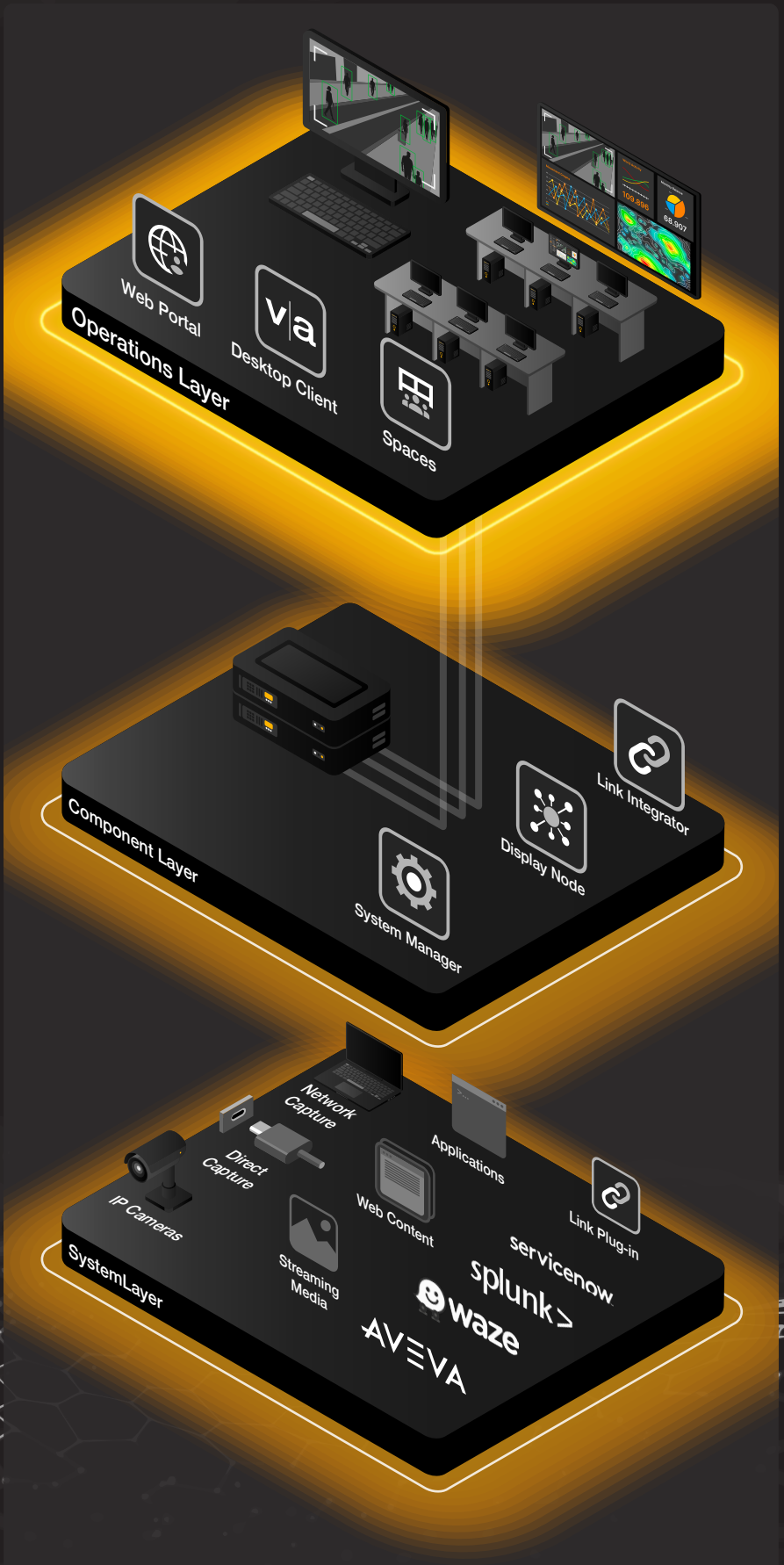
The vis|ability visualization and collaboration platform provides intuitive and flexible tools to:

- Make faster, more efficient, & better-informed decisions to resolve crisis.
- Dynamically collaborate with peers on any device: Desktop, Mobile, Video Wall, and Third-Party Platforms through LINK.
- Effectively manage video wall content, Anywhere in the organization.
- Maintain a cyber-secure environment that conforms to network & operational requirements.

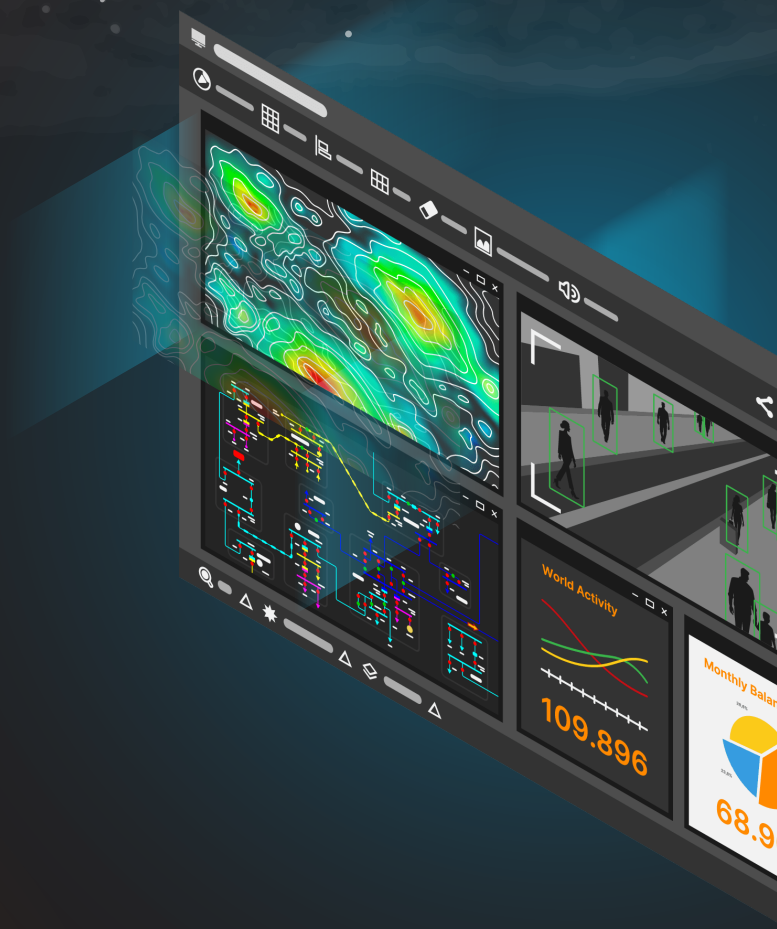
Mission-critical operations rely on vis|ability software, built from decades of expertise and proven reliability, for an integrated, open-systems based solution. Vis|ability leverages existing network infrastructure for increased network efficiency, reducing the total cost of ownership (TCO), while providing excellent return on investment.

Key Features

- Network-distributed video wall management.
- vis|ability Spaces
- Collaboration Tools
- Web Portal
- Activu Web Client
- Capture Client
- Multi-Touch Support
- Highly Secure Environment: NERC/CIP, NIST, FIPS
- Comprehensive REST APIs
- User Hierarchy Defined at the Source & Display Level
- System Monitoring, software updates
- Low-code/No-code Automation
- Corporate communications and AI integration



vis|ability Spaces: Collaboration reimagined



- Create a dynamic workspace with the ability to share, discuss, and edit documents, web pages, graphic files, IP video streams, and more.
- Share and annotate content among individual users and groups across the organization.
- Add, resize, reposition and remove live sources.
- Site-to-site synchronous display.
- Share to one or more video walls.
- Dynamic white-boarding across multiple locations with multiple participants:
  - Multiple drawing tools.
  - Unique markup color per user.
  - Mark up, undo & erase.
  - Screen save.
- Text chat between operators.
- Persistent and synchronized content state between uses.

vis|ability Web Client

- Ideally suited for Emergency Response, Public Safety Agencies, Private Sector Security, Command Center and Control Room Monitoring.
- Securely view command center and mission-critical visual information in the field, including Spaces.
- Uniform, integrated user authentication for secure access.
- Field personnel with smartphone cameras can capture and instantly send photos and full motion video to the command center, or elsewhere, for display, analysis and/or archiving.
  - Support for geo-tagging.
  - Include audio and text annotation of images and video.
  - Integration with Link for automated management of live streams and captured content.

vis|ability Link

- Integrate third-party system alarms and events to trigger visualization.
- 1000s of integrated platforms, from IoT, corporate communications, to AI platforms and beyond.
- Low-code/no-code flow-based workflow editor.
- Configurable visual response: place information on any display.
- Configurable user acknowledgement of events (or automated response).
- Multiple notification pathways: desktop(s), video wall(s), specific user, or any combination.
- Correlate multiple events into one visual response.
- Integrate with one or more Activu systems to support multiple-organization alarm notifications.

System Monitoring

- Self-monitoring of system components via single pane-of-glass web interface.
- Email notifications, and detailed logs.
- Display wall monitoring with SMS and email alerts.
- Secure authenticated component management through comprehensive web interface.
- Start, stop, restart services from a single, convenient location.
- Support for automated failover with redundant systems.

Compatibility & Control

- Capture and transmit Windows-based systems across an IP network, including OpenGL and DirectX based content.
  - Supports multi-headed network sources.
  - Capture full desktop, individual displays.
  - Full network KVM control of captured content.
- Access and display content running on most operating systems: Win32/64, Apple, Linux.
- Integrated device control for a single point of complete control:
  - Launch and control a broad range of devices including: VTC & PTZ cameras, DVD/VCR, audio systems, lighting and other building systems.
- Support for new streaming sources in Decoder Services:
  - MPEG-2, MPEG-4, H.264, H.265, MJPEG, many VMS, NVR, and camera systems.
  - Open system can accommodate new encoded video standards with software upgrades.
- Integration with 3rd party applications:
  - Activu REST API.
- Integrated scripting and user interface builder (called Action Panels) for user defined and user -customized interfaces.
- Microsoft .Net Application.
- Analog and digital baseband-captured video and audio: SD, HD, 4K and beyond.

vis|ability Web Portal

- Publish live, curated content, in Spaces, to a secure web interface.
- Consume vis|ability content in standard web browsers, on desktops, tablets or mobile devices.
- Manage multiple published Spaces simultaneously.
- Secure Web Portal shares via passcode, schedule accessibility and notify users of new published shares via email and SMS.

Connectivity & Security

- Net-centric: runs in single, and multiple, segregated LAN/ WAN network environments.
- Cloud-hosted components with SaaS licensing.
- Network isolation capability.
- Federal Information Processing Standards (FIPS) compliant encryption.
- Strong encryption across platform.
- Strong password enforcement for users.
- Role-based security policies centrally defined and administered.
- Real-time action logging by individual user: NERC/FERC compliant.
- Content mirrored in other locations for remote monitoring purposes.
- Save system database files to network drive for added back up security.
- Display wall zone control.
- Single sign on:
  - Control access to content through Windows Active Directory for increased security, scalability and administration.
  - Support for CAC/PIV authentication.
- Fully encrypted remote system administration.
- Role-based access rights policies and interfaces centrally administered.
- Powerful conditional scripting for task automation.
- Enhanced audit logging tracks each user's actions with Activu system.
- Configurable user acknowledgement of each Activu Capture Client connection, including read-only mode option.
  - Special read-only Capture Client for NERC applications.

User Interface

- Auto-hiding Hub, with all features and capabilities of the platform, provided through an intuitive, searchable interface.
- Virtually unlimited user-definable layouts of compiled information windows can be saved and instantly recalled.
- Sources section provides customized view of all system content.
- People section for direct collaboration between users: share content, Spaces, or chat.
- Displays section provides direct control over multiple video walls, in the same room or across the organization, simultaneously—with Live content updates.
- Highly intuitive interface eliminates need for extensive training.
- Universal drag-and-drop:
  - Copy or move Sources from/ to one video wall to another, regardless of wall location.
  - Copy or move Sources from/ to video wall, to Space, to share, via web portal, or share between users.
  - Copy or move Sources from/ to Desktop to video wall or Space.
- Touch screen compatible.
- Global search.
- Favorites section for easy-to-find favorite People, Sources, and Displays.
- Activu web client: Access the Activu system from any major internet browser, including Internet Explorer, Safari, Chrome, Firefox and Mozilla.

Display & User Tools

- Capture and transport cropped areas at the source workstation, increasing network efficiency.
- Streamlined and enhanced action panel design interface.
- Transport high-quality digital signals over an existing IP network.
- Better manage content across multiple Display Walls and/or LCD panels.
- Resource tree enhancement: remote control GUI with a multi-select capability, allowing users to select and drag multiple sources simultaneously to a Display Wall.
- Source multi-select on the virtual display wall of the remote control GUI:
  - Greatly reduces operator's time to re-organize content on a display.
- Simple drag-and-drop functionality for managing display wall content.
- Virtually unlimited number of information windows can be dynamically scaled and placed on the display desktop.
- View nearly any content directly on your desktop, preview an entire video wall.
- Layouts with GUI window prior to loading onto the display wall.
- Remotely launch Windows-based applications running on network-connected computers.
- Control a remote computer from another workstation.
- Cut and crop viewable information.
- Save layouts of multiple information windows.
- Preview layouts and content prior to loading onto a display wall.
- Save layouts for multiple displays (ie. individual walls, panels, or desktop monitors).
- Snapshot: pixel-perfect screenshot of any display content (excluding analog video).
- Widgets: clocks, countdowns, RSS feeds, message ticker.
- User defined and programmable preferences for layouts, content windows, adjustment to immediate physical environment (e.g. mechanical desk, lighting).

IP video

- Scalable and flexible decoding off-loading using open systems hardware.
- Tour Builder: Tool for displaying and switching multiple IP video streams in one IP window.
- Single touring stream can be displayed on multiple display walls.
- System integrated with multiple market leading VMS, NVR, PSIM, IP cameras and encoders.