



PUBLIC SAFETY

COMMAND AND CONTROL SOLUTIONS BROCHURE



When lives are on the line, decisions must be made in seconds. Visualization and collaboration solutions have evolved to help public safety agencies make faster and more accurate choices from a variety of internal and external sources.

Large-scale video walls can display multiple videos, maps and still images on various screens in crime centers, police fusion centers and emergency operation centers. The key components that drive an effective video wall include the video wall software platform, digital signage, control system and KVM connectivity technology. Black Box® is your source for a complete visualization and collaboration solution.

We've designed these solutions to:

- Improve response time and situational awareness
- Enable real-time visualization
- Increase sharing and collaboration
- Allow sharing and control of remote devices

VISUALIZATION

Video Wall Platform

A video wall is a multi-display wall that's created by joining multiple screens together to display a larger image or windows of multiple images. The display technology can be LCD or LED panels, tiles, cubes or projection screens. A video wall can be as simple as one image from a single source stretched across multiple screens. Or it can be used to display multiple images from multiple sources, including live video feeds, on multiple displays.

RADIANFLEX™

Radian Flex is the video wall display solution that allows you to break free from the limitations of hardware with the power to personalize your video wall to your application. Easily manage what, where, when and how content is shown.

100% Software Based

No proprietary hardware is required, saving you time and money.

Scalable and Future-Proof

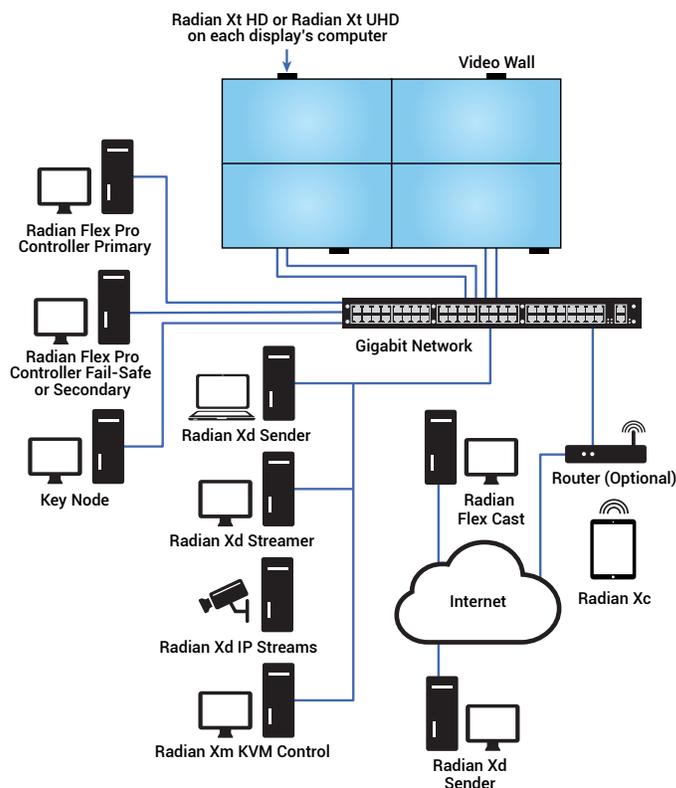
Infinitely scalable video wall software platform that can meet future demand for more end points, without the risk of obsolescence.

Future-proof

Evolving tech that grows with you.

Limitless Resolution

Perfectly display any resolution or screen output, whether it's today's 4K at an industry-leading 1 billion pixels or tomorrow's 8K. There's no limit to the source resolution or number of screens you can display to.



Digital Signage

iCOMPEL®

iCOMPEL is a multilingual web user interface that allows the creation of a full-screen or multi-zone content channel. This appliance-based digital signage content management system (CMS) scales from one to thousands of users. Easy enough for the novice operator, yet powerful enough for more technically savvy users to access advanced features.

Drag-and-Drop Layout Editor

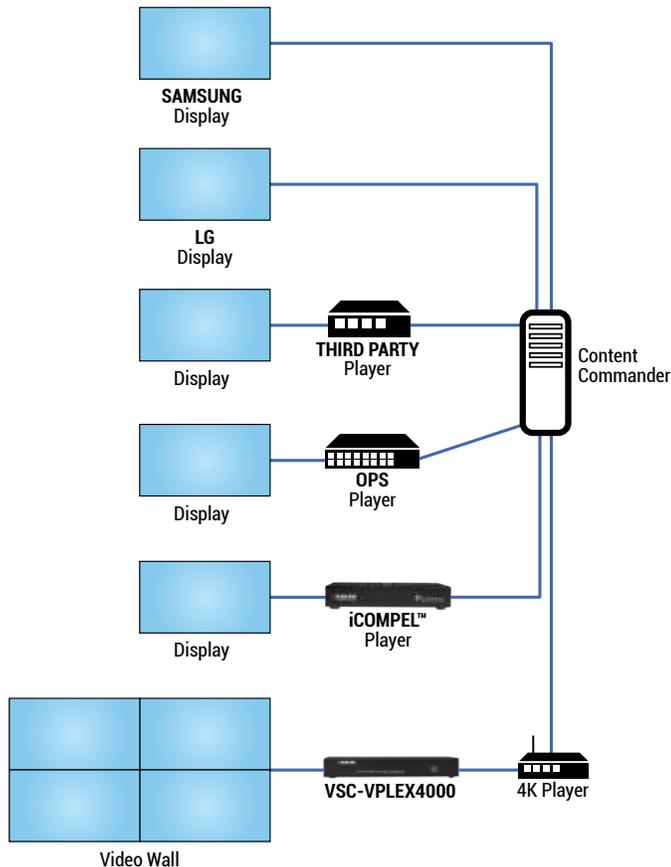
Easy to generate multimedia layouts, add RSS feeds, display live TV and show social media updates.

Multi-User Management

Supports USB, wired, Wi-Fi, 3G or satellite connection for manual or automatic content distribution.

Ad Hoc Content Management

Web-based UI makes it easy to manage ad hoc messages and data, such as menus and venue schedules.



OPERATOR CONTROL AND SHARING

Control System

A control system connects and controls everything in your control room: AV systems including projectors, sound, screens and more; KVM systems; and room controls, such as lights and window shades. Focus on the objective – not the technology.

CONTROLBRIDGE™

ControlBridge has the capacity to set up individual presets for control rooms, e.g. if users don't have fixed work places but need a specific configuration for their desk (applications, user access rights, etc.). When combined with a KVM system, this can make shift changes easier to manage. Supports touch screen-based control, making it easier for operators and shift leaders to switch sources and control activities.

Integrated AV and Room Control

Lower the screen; dim the lights; turn on the sound; and share your presentation – all with the press of a button.

Local/Remote Automation and Control

Access and control AV, room automation and other equipment via Ethernet, serial, IR, digital I/O and relay connections.

Scalable

Choose control processors for small to large applications and integrate with technologies already in use.

Unlimited and Remote Input Devices

Control applications with any number of touch screens, push buttons and mobile devices. Connect to and control remote devices with IP extenders.



KVM

KVM (keyboard, video, mouse) controls, switches and manages multiple PC's via a single keyboard, monitor and mouse. KVM switches give users access to multiple target devices, such as CPUs, video walls, servers and other resources. KVM improves work flows at the user station, gaining flexible control of visual and peripheral elements. Switching and extension provide effective management of technology elements and data streams in emergency dispatching, real-time crime centers and security operations centers.

EMERALD™ 4K KVM OVER IP

Emerald delivers pixel-perfect HD or 4K video over an IP network, a proprietary direct connection or both. It supports any combination and number of physical and virtual desktops and servers with true USB emulation.

Remote, Out-of-Band Computer and Server Access

Access and manage an unlimited number of PCs and servers.

4K over IP KVM Matrix Switching

High performance, secure KVM and AV routing of 4K60 DisplayPort 1.2 and HD DVI video.

Physical and Virtual Machine Connectivity

Supports virtualized IT infrastructure by connecting operators to physical and virtual machines (VMware®, Microsoft®, Citrix®).

Advanced Network Monitoring and Security

Boxilla™ KVM system manager lets you set up user access control, monitor bandwidth, receive automated security alerts and more.

DKM™

DKM is a scalable, flexible, highly reliable, modular KVM that has been field-tested in hundreds of critical control rooms worldwide. DKM provides an extension of high performance video and peripherals that is adaptable to changing systems and technology; all with a vast number of options for redundancy – fans, PSU's, links and chassis. High rack density and high performance with visually lossless video up to 4K60.

High Resolution and Multi-Monitor Support

Resolutions up to 4K at 60 Hz and 10-bit color (DisplayPort); supports single/multi-monitor operator desktops.

User Convenience and Automation

User control via hot keys, OSD, USB-buttons, touch screen.

Simplify Installation and Changes

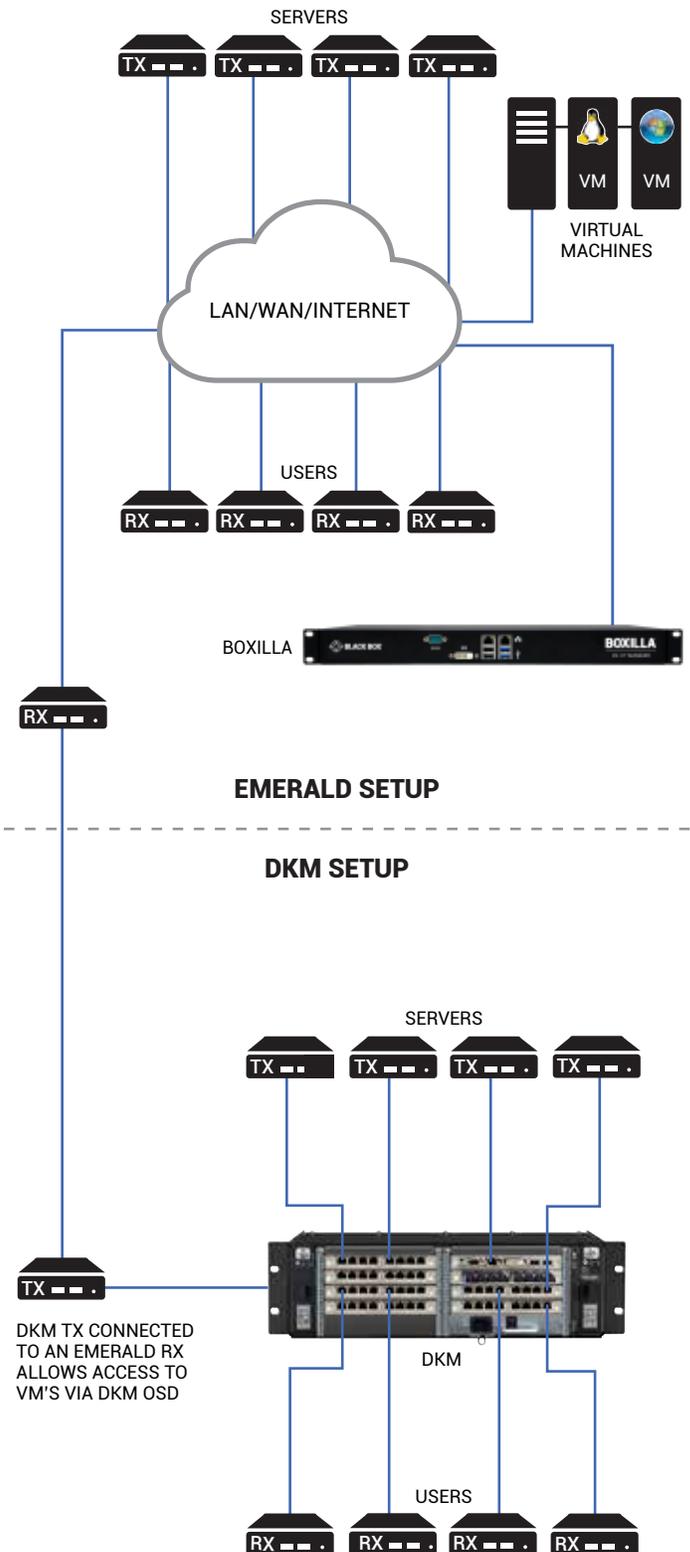
Plug any transmitter or receiver connection into any central matrix port; hot-swappable cards for maximum uptime.

Built-in Glide and Switch Support

Instantly switch between sources by moving a mouse from one screen to the other.

Ideal for 24/7 Applications

Redundant power supply for chassis, transmitters and receivers.



DCX

The DCX matrix switch series is a flexible, fast and reliable 10- or 30-port Digital KVM, high-performance, direct-connect matrix switch designed for smaller multiuser applications supporting HD video, audio and USB. Locate your critical computing hardware in a secure and temperature-controlled environment away from the user workstation while maintaining the same user desktop experience.

Fast, Reliable Switching

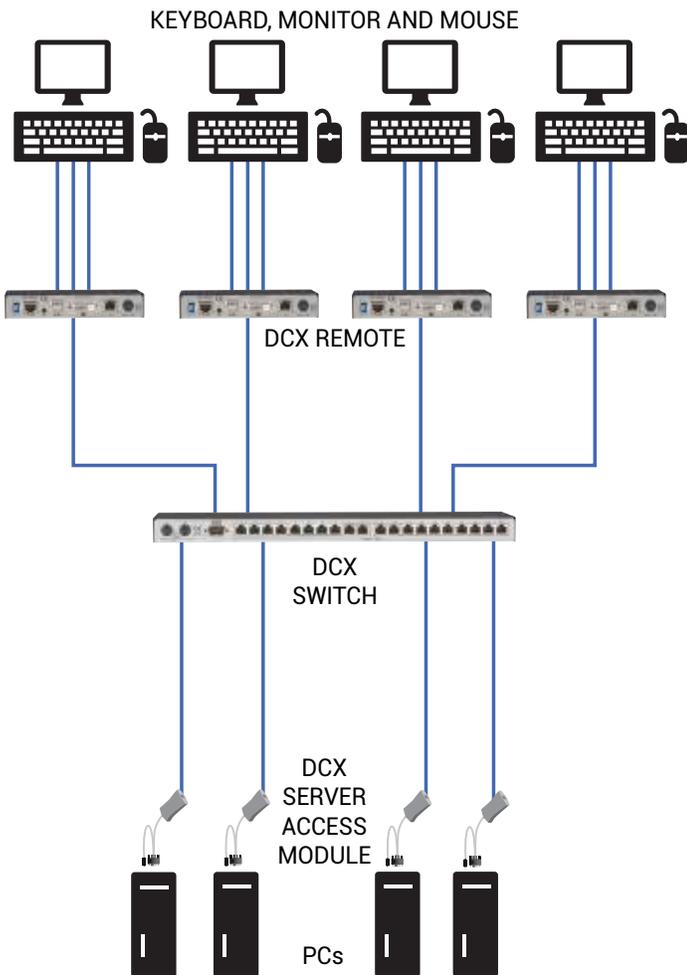
DCX enables the transmission of single link DVI video up to 1920 x 1200 at 60Hz, USB HID and embedded audio over a single CAT6 or greater cable.

SAM Module Links

The interface-powered Server Access Modules (SAMs) extend DVI, DisplayPort or VGA signals and USB over standard CATx cabling from individual servers to the central switching unit and the receivers connect end-user stations to the central switching unit.

Intuitive Graphical User Interface

Video synchronization for single or multiple display applications including touch screens with thumbnail preview that make it easier to view and switch between multiple screens and on-screen menus.



FREEDOM II KM SWITCH

The Freedom II KM Switch enables a single USB keyboard/mouse user to easily access and manage large amounts of information. Control operations across up to eight USB computer systems and eight monitors, saving time and money while freeing up valuable desktop space and simplifying work.

Glide-and-Switch Technology

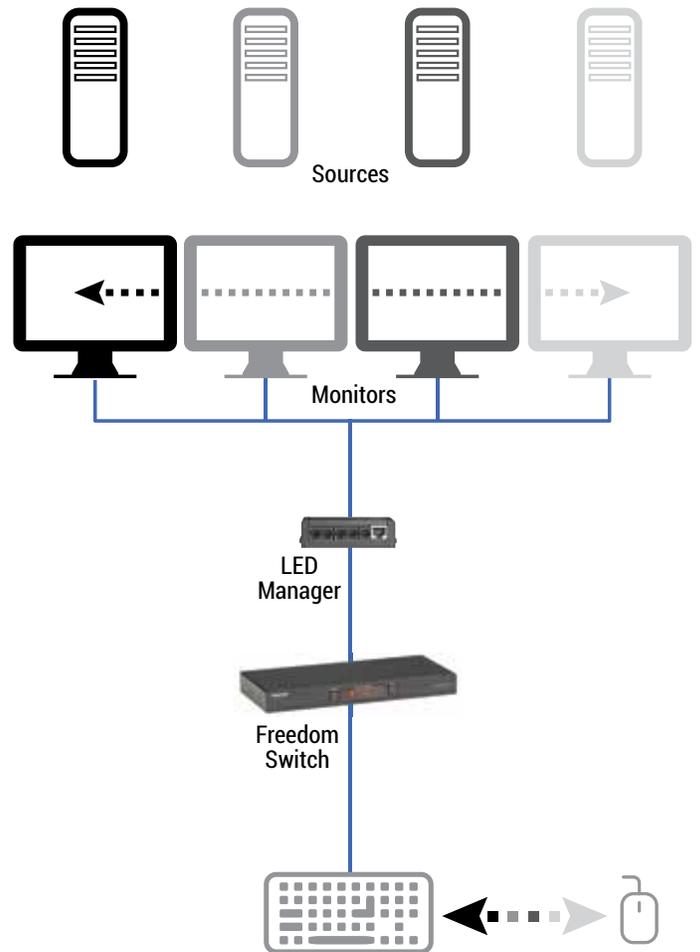
Freedom II enables a single user to quickly switch ports by moving the mouse between four workstations with only one mouse and keyboard.

Share Peripherals

Two independent USB ports allow users to share and switch between two USB peripherals. Freedom II also features eight computer USB ports and two keyboard/mouse ports.

Ease of Use

A built-in web server makes for easy configuration and system management.





KVM System Manager

A KVM system manager connects and manages several signal extension solutions, enabling centralized secure remote access to an unlimited number of endpoints — computers and virtual machines — from one single intuitive access point. KVM system managers give you full monitoring and control of not just devices, but your entire KVM and AV/IT system across the enterprise.

BOXILLA™

Boxilla is an easy-to-use platform designed for an enterprise KVM environment. Black Box offers flexible endpoint licensing options that enable you to manage anywhere from 25 to thousands of endpoints, users or connections. Boxilla and Emerald™ Unified KVM can also be used to enhance your DKM system by extending it beyond private networks. When all three platforms work together, you can instantly reach any server on your network, enabling you to be more productive in your operations.

Performance Monitoring

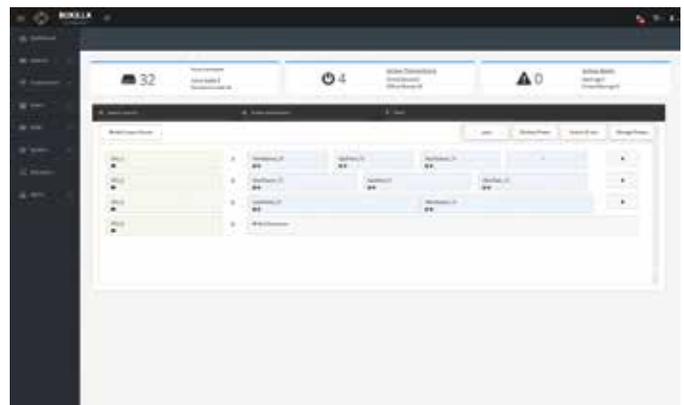
Proactively diagnose and address potential performance problems before they occur.

Easy to Use

Streamline upgrades for thousands of remote endpoint devices with one click.

Security Management

Security interface dashboard provides real-time alerts and alarms if someone attempts to circumvent security profiles.



WHY BLACK BOX

Complete Portfolio

Black Box is a one-stop source for KVM, video, multimedia, networking, and data/power infrastructure solutions.

Center of Excellence Support

Our highly qualified technical support team is available 24/7 to process any system issues you may have.

Pre-Configured Solutions

When our customers get their equipment, all they have to do is install it. We pre-build DKM and video wall solutions based on their exact specs. Our products are also labeled based on customer preference, making them easier to identify when delivered.

On-Site Walk-Throughs and Surveys

Our experts are available to visit your facility and recommend solutions that suit your needs.

System Review and Solution Design

Our engineers will map out your KVM and video wall solutions based on the equipment you need to connect.

On-Site Equipment Demos

Try before you buy. We can send you a test demonstration that will enable you to see how KVM and video walls work in your environment.

Visio Stencils

Use our free Microsoft Visio stencils to help you plan the ideal networking or infrastructure configuration for your application.

Service Level Agreements

Black Box offers a Service Level Agreement program that offers 24/7 technical support through phone, chat and email; advance exchange part replacement; software updates and upgrades; product training; and dedicated application and support engineers for a single point of contact.



