Emerald® DESKVUE

best of show 2023 — AT ISE 2023 — Winner — AV TECHNOLOGY

Introducing Emerald® DESKVUE

KVM users today need to view, monitor, and interact with multiple clients that can reside on various networks with different work information like post-production editing, IPTV, live feeds, email, rendering jobs, and many more.

In a completely new concept in KVM over IP, Emerald DESKVUE enables these users to arrange their individual workspace for optimal simultaneous interaction with up to 16 different systems. It supports connections to physical systems via Emerald transmitters, Virtual Machines using RDP, PCoIP, PCoIP ultra, standard H.264/265 sources, and Virtual Network Computing (VNC).

The Emerald DESKVUE receiver – as part of the Emerald KVM family and Boxilla KVM Manager - uniquely allows users to tailor their own workspace by connecting a single keyboard, mouse, audio, and up to four 4K monitors, with one of the four supporting 5K. Each system information can be positioned across the screens with predefined layouts and freely movable windows. Interacting with each system is as simple as moving the mouse over the window. In this way, each operator has complete situational awareness and full control within easy reach, via a fully personalized workspace.

Concept Diagram Emerald® DESKVUE Workspace

Up to 16 Sources — Virtual Machines — Physical Machines — Emerald® DESKVUE — Keyboard — Mouse — IP — Emerald Transmitter — H.264/265 Streams

Emerald® Unified KVM

The award-winning Black Box Emerald® KVM-over-IP platform serves as an infinitely scalable universal access system, giving users the flexibility to connect to both physical and virtual machines, along with anywhere, anytime IP access over an existing IP-network, WAN, or even the Internet. Advanced security and a market-leading tiny bandwidth consumption allow new ways to configure user access to local and distributed remote systems.

Interoperability between 4K and HD video, and one-touch control room setups, combined with a high degree of automation through Emerald's APIs, gives users valuable flexibility and ease of use. Emerald manages signals and format types to deliver content with an innovative look and feel, preserving the existing IT equipment.

Benefits and Highlights

Interact with up to 16 systems simultaneously

Connect to physical systems via Emerald transmitters, and Virtual Machines using RDP, PCoIP (Ultra), H.264/5, and VNC.

Tailor your individual workspace

Freely place and size your systems across up to four monitors; view and interact with them in the most efficient way.
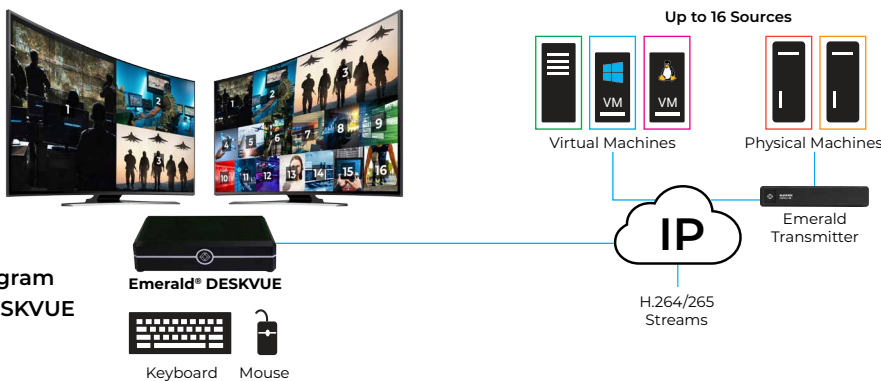
Up to 4K/5K video resolutions

Attach up to four (maximum of one 5K screen) HDMI or DP 1.4a screens with resolutions up to 5120 x 1440, or work with the latest ultra-wide curved monitors.

Highly Secure KVM over IP

Fully integrates with Emerald Unified KVM and the Boxilla KVM manager for device configuration, monitoring, and authentication.

Design follows User Needs

Silent operation and an extremely small footprint combined with various mounting options ensure a clean, well-organized workspace.