



INTRODUCING UNIFIED KVM – A WHOLE NEW CLASS OF KVM

HIGH-PERFORMANCE HD AND 4K KVM OVER IP

Emerald® is a high-performance KVM matrix switching and extension solution developed by Black Box. The zero-client based platform delivers visually lossless HD or pixel-perfect 4K/UHD video resolution over an IP network. It provides KVM connectivity between any combination or number of physical and virtual machines and supports true USB emulation, letting you connect external hard drives, Wacom® tablets and other high-speed USB 2.0 devices.

Your Emerald KVM network can start small, but it's infinitely scalable just by adding endpoints with no additional chassis or cards needed. Even if you're not quite ready for 4K, you're still ready for Emerald. Start with Emerald SE at HD resolutions and add 4K at your own pace. Or add the USB-powered Emerald ZeroU DVI Transmitter for instant scalability that consumes zero rack space while transmitting visually lossless full HD video. With Emerald, you're always ready for the future – no matter what form it takes.

Emerald System Components

- Emerald HD or 4K Transmitters/Receivers
- Emerald IP Switches
- Emerald ZeroU Transmitter
- Emerald SFP Modules
- Emerald Remote App



FUTUREPROOF

Zero-client based HD (DVI) and 4K (DisplayPort) video transmission over standard IP network infrastructure. Ready for whatever comes next.

INFINITELY SCALABLE

Unlimited scalability of endpoints (non-blocking). Highly configurable. No distance limitations.

LOSSLESS COMPRESSION

Pixel-perfect image transmission with every pixel visualised at 60 fps (10-bit ready).

VIRTUALISATION

Simplified access to both physical and virtual servers. Virtual machine support for VMware®, Microsoft® and Citrix®, using RDP, RemoteFX or PCoIP.

REMOTE APP

The Emerald Remote App turns any Windows® 10 device into a software KVM receiver. Supports HD video resolutions and USB HID.

WAN SUPPORT

Users can work anywhere with access to all connected resources, just as if they were directly connected.

RESILIENCY

Designed with 24/7/365 critical applications in mind, providing for network resilience at every level.

