

# DATA SHEET

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EMD5004-R

# EMERALD® DESKVUE KVM RECEIVER

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24/7 TECHNICAL SUPPORT AT 877.877.2269 OR VISIT [BLACKBOX.COM](http://BLACKBOX.COM)



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# OVERVIEW

## EMERALD DESKVUE KVM RECEIVER DATA SHEET

### INTRODUCTION

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

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, and H.264/5.

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, USB 2.0 devices, audio, and up to four 4K monitors (one of the monitors can be 5K). Each system can be positioned across the screens with pre-defined layouts or freely movable tiles. Interacting with each system is as simple as moving the mouse over a tile. In this way, each operator has complete situational awareness and full control within easy reach.

#### Interact with up to 16 systems simultaneously

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

#### 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 screens at once, with HDMI resolutions supporting up to 3840x2160 and DP resolutions supporting up to 5120x1440.

#### 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, an extremely small footprint, and various mounting options provide a welcoming workspace.

### FEATURES

- FUTURE PROOF KVM, UNIVERSAL ACCESS SYSTEM - ACCESS BOTH PHYSICAL AND VIRTUAL MACHINES INCLUDING EMERALD TRANSMITTERS, PCOIP AND RDP TARGETS
- UP TO 16 CONNECTIONS OVER 4 VIDEO HEADS
- UP TO 4 UHD SCREENS, OPTIONALLY 1 CAN BE 5K (USB-C DISPLAYPORT™ ALT MODE)
- OPTION FOR 'DUAL-HEAD" 4K DEPLOYMENTS OUTSIDE POST-PRODUCTION
- UP TO 4K VIDEO
- HIGHLY SCALABLE THROUGH IP NETWORKING / LOW BANDWIDTH
- REMOTE ACCESS TO KVM SYSTEMS TO ALLOW OPERATION ACROSS IP NETWORK THROUGH SOFTWARE APPLICATION
- COMPATIBLE WITH BOXILLA MANAGERS (FOR MANAGEMENT)
- CONNECTS TO PHYSICAL EMERALD TRANSMITTERS
- CONNECTS TO VIRTUAL MACHINES (RDP AND PCOIP)
- CAN ALSO BE USED AS A 2X2 VIDEO WALL PRODUCT

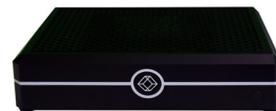
## WHAT'S INCLUDED/PRODUCT IMAGES

### EMERALD DESKVUE KVM RECEIVER DATA SHEET

#### WHAT'S INCLUDED

- (1) EMERALD DESKVUE KVM RECEIVER
- (1) 19 VDC, 3A, DESKTOP POWER SUPPLY
- (1) VESA MOUNT KIT
- (1) COUNTRY SPECIFIC POWER CORD
- SCREWS AND JUMPER

FRONT VIEW



BACK VIEW



# SPECIFICATIONS

## EMERALD DESKVUE KVM RECEIVER DATA SHEET

SPECIFICATIONS FOR EMERALD® DESKVUE KVM RECEIVER	
<b>DIMENSIONS</b>	Unit: 1.47" H x 6.61" W x 4.52" D, (37.4 x 168 x 115 mm)
<b>WEIGHT</b>	Product: 1.21 lb. (0.55 kg); Power Supply: 0.56 lb. (0.25 kg); Product and Packaging: 3.10 lb (1.4 kg)
<b>CONNECTORS</b>	(3) HDMI Female; (1) USB C (USB4) for DP output; (1) 3.5mm Audio; (4) USB Type A Female; (1) Micro SD port; (1) 1G RJ-45 Network Connection; (1) 2.5G RJ-45 Network Connection; (1) 19VDC Barrel for power
<b>MAXIMUM DISTANCE FROM NETWORK</b>	328 feet, network limits, extend with network switches
<b>USER INTERFACE</b>	Emerald On Screen Display
<b>MOUNTING KITS</b>	VESA Mount included / Kensington Lock Support
<b>POWER</b>	External desktop power supply
<b>INPUT VOLTAGE/VOLTS</b>	100-240VAC, 50/60Hz
<b>INPUT CURRENT/AMPS</b>	1.5 Amps
<b>OUTPUT VOLTAGE/VOLTS</b>	19VDC
<b>OUTPUT CURRENT/AMPS</b>	3 Amps
<b>POWER CONSUMPTION/WATTS</b>	57 Watts MAX (typical usage is 2-3 Amps depending on number of plugged in peripherals)
<b>HEAT DISSIPATION/BTU/h</b>	194.37 BTU/h MAX (Voltage x Nominal Current) * 3.41 = BTU/h
<b>POWER SUPPLY CORD LENGTH</b>	4.5 feet (1.37 meters)
<b>OPERATING TEMPERATURE</b>	32 to 104°F (0 to 40°C)
<b>STORAGE TEMPERATURE</b>	-22 to +176°F (-30 to +80°C)
<b>OPERATING HUMIDITY</b>	10% to 90% non-condensing
<b>MAXIMUM ALTITUDE/FEET</b>	<6,561 feet (2,000 meters)
<b>COMPATIBILITY</b>	Boxilla Managers, Emerald Transmitters, and Virtual machines (RDP, PCoIP)

# APPLICATION DIAGRAM

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