EMD5004-R

# EMERALD® DESKVUE KVM RECEIVER

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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







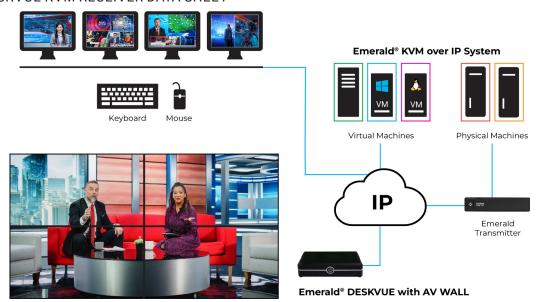
# **SPECIFICATIONS**

# EMERALD DESKVUE KVM RECEIVER DATA SHEET

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

# **APPLICATION DIAGRAM**

# EMERALD DESKVUE KVM RECEIVER DATA SHEET



# ORDERING INFORMATION

ITEM	CODE
Emerald® DESKVUE KVM Receiver	EMD5004-R

## **DISCLAIMER**

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