

# DATA SHEET

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EMD5004PE-R

# EMERALD® DESKVUE PE MULTI-SOURCE, MULTI- VIEW RECEIVER

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**BLACK BOX®**

# OVERVIEW

## EMERALD DESKVUE PE MULTI-SOURCE 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. The PE (Professional Edition) of DESKVUE is designed for the user actively working on applications on 4K monitors with extremely low latency.

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 when managed by Boxilla®, or 32 systems when not managed. 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, audio, and up to four 4K monitors.

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 when managed by Boxilla (32 systems when unmanaged)

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 DisplayPort™ resolutions supporting up to 5120x2880.

#### 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

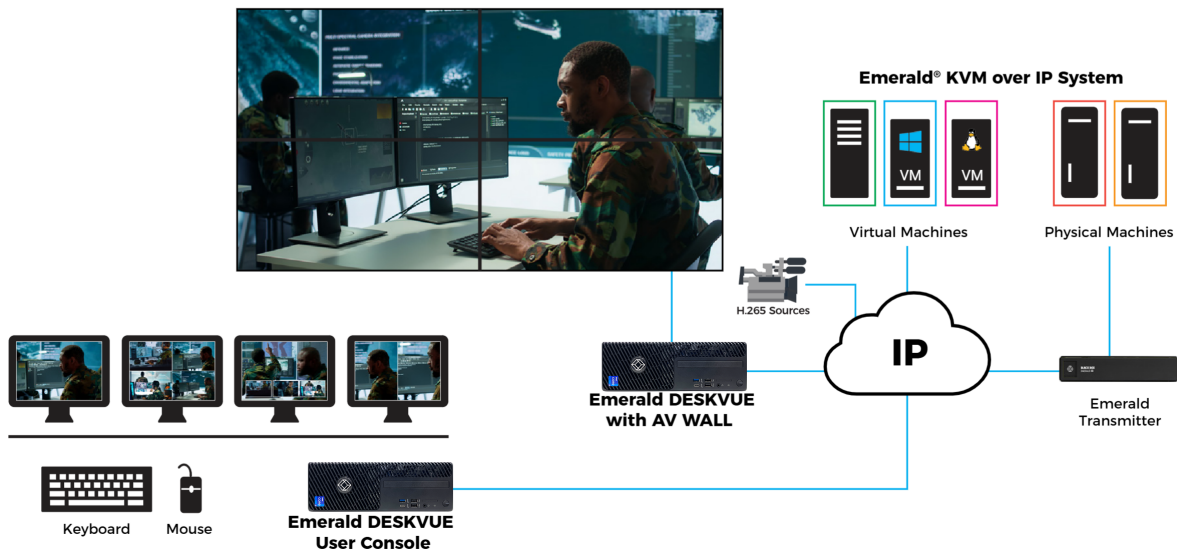
Quiet operation, an extremely small footprint, and various mounting options provide a welcoming workspace.

### 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 WHEN DESKVUE IS MANAGED BY BOXILLA, OR 32 CONNECTIONS WHEN NOT MANAGED
- UP TO 4 UHD SCREENS
- 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)
- ENHANCED LEOSTREAM BROKER SUPPORT FOR PCOIP CONNECTIONS
- CONNECTS TO EMERALD TRANSMITTERS
- CONNECTS TO VIRTUAL MACHINES (RDP AND PCOIP)
- CAN ALSO BE USED AS A 2X2 VIDEO WALL PRODUCT

# APPLICATION DIAGRAM

## EMERALD DESKVUE PE MULTI-SOURCE RECEIVER DATA SHEET



# WHAT'S INCLUDED/PRODUCT IMAGES

## EMERALD DESKVUE PE MULTI-SOURCE RECEIVER DATA SHEET

FRONT VIEW



BACK VIEW



### WHAT'S INCLUDED

- (1) EMERALD DESKVUE PE KVM RECEIVER
- (1) COUNTRY SPECIFIC POWER CORD

# SPECIFICATIONS

## EMERALD DESKVUE PE MULTI-SOURCE RECEIVER DATA SHEET

### SPECIFICATIONS FOR EMERALD® PE DESKVUE MULTI-SOURCE RECEIVER

|                                      |  |
|--------------------------------------|--|
| <b>DIMENSIONS (H X W X D)</b>        | 11.42" x 3.65" x 11.53" (290.00 x 92.60 x 292.80 mm)   |
| <b>WEIGHT</b>                        | 8.52 lb. (3.87 kg)   |
| <b>CONNECTORS</b>                    | (4) Mini DP connectors (mini DP to DP adapters included);<br>(4) Female DP connectors (not active);<br>(1) 3.5 mm Audio;<br>(9) USB Type A Female;<br>(1) Micro SD port (disabled);<br>(1) 1G RJ-45 Network Connection;<br>(1) 2.5G RJ-45 Network Connection;<br>(1) USB-C port;<br>(1) IEC320 C14 for power |
| <b>MAXIMUM DISTANCE FROM NETWORK</b> | 328 feet (100 m), all IP rules apply   |
| <b>USER INTERFACE</b>                | Emerald On Screen Display (OSD)  |
| <b>POWER</b>                         | Internal power supply  |
| <b>INPUT VOLTAGE/VOLTS</b>           | 100-240VAC, 50/60Hz  |
| <b>POWER CONSUMPTION/WATTS</b>       | 300 Watts maximum  |
| <b>BTU</b>                           | 1,023 BTU/h maximum  |
| <b>POWER SUPPLY CORD LENGTH</b>      | 4.5 feet (1.37 m)  |
| <b>TEMPERATURE RANGE</b>             | Operating: 32 to 104°F (0 to 40°C);<br>Storage: -22 to +176°F (-30 to +80°C)   |
| <b>RELATIVE HUMIDITY (MAXIMUM)</b>   | Operating: 10 to 90% (non-condensing)  |
| <b>MAXIMUM ALTITUDE/FEET</b>         | <6,561 feet (2,000 m)  |
| <b>COMPATIBILITY</b>                 | Boxilla Managers, Emerald Transmitters, and Virtual Machines (RDP, PCoIP)  |



