

# RackView High-Res

1U KVM RACK DRAWER /17" WIDESCREEN



- ▶ DVI/VGA video interface included
- ▶ Supports up to 1920 × 1200 WUXGA resolution
- ▶ PIP, Picture-In-Picture with dual video input
- ▶ USB keyboard and touchpad mouse
- ▶ OSD function for LCD display
- ▶ Short depth rack-drawer (18.9", 480mm)
- ▶ Full size 104 keyboard with a separate numeric keypad and a 2-button touchpad mouse
- ▶ Optional DVI/USB or VGA/USB KVM Switch
- ▶ Supports Windows, Linux, MAX OS X, SUN

## Features and Benefits

- Easy-glide 1U KVM drawer can be mounted at any height in a standard 19" rack
- Monitor OSD allows for easy adjustments of color, brightness, contrast, position, and shape of the display
- Front USB 2.0 port for device access (available with KVM-Hub switch only)
- Panel protected by tempered glass
- Active EDID monitor function
- PIP function allows positioning of a sub-screen on the main window, and dividing the window 50/50 between the main and sub-screen
- Fold and tilt the LCD Monitor for optimum viewing position
- 18 International keyboard versions available
- Mounting rails included

## Options available

- Integrated KVM switch, DVI (12 port) or VGA/USB (8 or 16 port)
- HDMI (replaces the DVI interface)
- DC power, 12, 24, 48, 125, 250V
- 3G/HD/SD-SDI video
- Trackball mouse.

## Product Overview

RackView High-Res offers the latest, most efficient way to organize and streamline your server rooms and multiple computers. The RackView High-Res is a rack mountable KVM station neatly fitted in a 1U high compact slide-out drawer. The easy-glide KVM station contains a high-resolution bright active matrix TFT display that provides crisp images at high resolution up to 1920×1200, and wide viewing angles, a tactile keyboard and a 2-button touchpad mouse. The front panel neatly conceals the unit when it is not in use. The PIP (Picture-in-Picture) video effect can be activated when the dual video input (HDMI/SDI) is installed.

Several KVM switch options enable user access to multiple servers or computers. Rose Electronics external KVM switch options are fully expandable and when combined with the RackView, your system becomes a versatile, distributed matrix-controlled system with controlled access to the servers, and many other features. Windows, Linux, UNIX, Sun and MAC, computers can be easily accessed, monitored, and controlled locally using RackView.

## Typical Application



**Installation** RackView High-Res is very easy to install. Simply adjust the rack-rail length to the depth of your rack, slide the unit through the rack and secure the rack mount brackets to the front and rear rack rails.

**Front panel** The monitor's front panel has a push button controlled (OSD) on-screen display to scroll through the menu options and adjust options.

**Keyboard and Mouse** The RackView features a full size 104-key keyboard with a separate numeric keypad. And a 2-button touchpad mouse. Both PS/2 and USB mouse connectors are provided on the rear panel.

**Monitor** The high resolution, static free, TFT color monitor provides maximum clarity with resolutions up to 1920×1200. HD15 (VGA + USB Combo), DVI-D, and optional HDMI connectors are provided on the rear panel.

**Rear panel cable connectors** Standard rear panel connectors include one VGA (HD15F) and one DVI-D video connector. The USB or PS2 keyboard and mouse signals are transferred on the KVM connector. Rose Electronics provides a choice of 3 different connection cables for the Rackview to host device connection. The cable length is 6ft (2.0m).

**PIP function** The PIP function is controlled using the Rackview OSD, and is only available when the dual video option (HDMI + SDI) is installed. The PIP window can be located in different positions on the main screen. Adjustments include the PIP size and position. A PBP (Picture-By-Picture) function is also available, allowing the user to locate two video images side-by-side on the main screen.

## Specifications

<b>Dimensions (W x D x H)</b>	17.4"× 18.9" × 1.73" (441.6 × 480 × 44 mm) Package dimension: 23.2" × 38.1"× 5.5" (590 × 808 × 140 mm)
<b>Weight</b>	Net: 24lbs(10.9kg) Gross: 34.8bs(15.8kg)
<b>Power</b>	100-240 VAC, 34W
<b>Power consumption</b>	Display On Max: 34W Power saving Max: 4 W
<b>Display size</b>	17.1 inches
<b>Resolution</b>	Up to 1920×1200 (WUXGA)
<b>Panel type</b>	Active matrix TFT (LCD), Anti-glare
<b>Display area</b>	Horizontal: 367.2mm, Vertical: 229.5 mm
<b>Viewing angle</b>	(L/R/U/D) 65/65/55/55
<b>Contrast ratio</b>	600:1
<b>Brightness</b>	White 210 cd/m <sup>2</sup>
<b>Back light</b>	LED
<b>Colors</b>	16.7M Colors (8-bit with FRC)
<b>Response time</b>	30 ms
<b>Ops system</b>	Windows, Linux, UNIX, MAC OS
<b>EDID</b>	VESA EDID 1.3 for VGA / DVI
<b>Keyboard</b>	Full size tactile 104-Key keyboard with separate numeric keypad
<b>Mouse</b>	2-button with touchpad
<b>Controls</b>	Capacitive push buttons and OSD
<b>Standard connectors</b>	1 × VGA HD15F 15-pin (includes keyboard and mouse signals) 1 × DVI (F) 1 × IEC power connector
<b>Option connectors</b>	Audio: built-in dual speakers, 2W ×2 HDMI: 1 × HDMI 1.3CEA-861-D 3G / HD / SD-SDI 2 × BNC DC Power: 2-wire terminal block
<b>Interface cables</b>	1 cable is selected for Rackview inclusion. DVI/USB: DVI-D + HD15M to DVI-I + USB-A(1) VGA/USB: HD15 to HD15 + USB-A(1) VGA/PS2: HD15 to HD15 + PS2(2)
<b>Keyboard languages</b>	US, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Hebrew, Danish, Japanese, Mandarin, Russian, Arabic
<b>Environment</b>	Operating temp: 32°F – 122°F (0°C – 50°C) Storage temp: -4°F – 140°F (-20°C – 60°C) Rel. humidity: 10% – 90%, non-condensing
<b>Shock</b>	10G acceleration (11ms duration)
<b>Vibration</b>	5-500Hz, 1G RMS random vibration
<b>Approvals</b>	FCC, CE, RoHS, REACH

## Rackview back panel

The back panel of the Rackview has two connectors, labelled DVI-D and KVM. The DVI-D connector is for direct DVI video. The KVM connector supports VGA video, as well as keyboard and mouse signals.

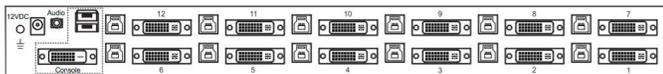


- DVI-D (F)
- IEC Power
- HD15 (F) with USB KB/Mouse

**Optional KVM switch** Choose between three different fully integrated KVM switches for full rack console operation. These switches are rear mounted with all connectors facing outwards. Operation and control of the KVM switch is via keyboard hot-key commands. The Rackview and switch combination needs to be factory ordered as the switch cannot be field installed.

When a KVM switch is pre-installed in the Rackview, the /Kn interface cable is not required.

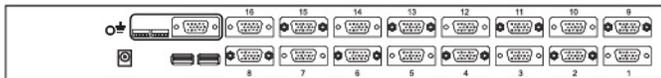
Limited quantities of CPU cables are included with each Rackview and switch kit. Additional quantities of CPU cables are available upon request.



### DVI/USB switch

(includes 6 × 6ft DVI/USB cables)

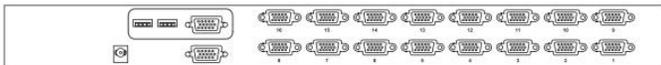
Connectors: (12 × DVI-I, 1 × DVI-D, 12 × USB-B, 2 × USB-HID)



### VGA/USB switch with 2-port USB hub

(includes 8 × 6ft VGA/USB cables)

Connectors: (8 or 16 × HD15, 1 × VGA, 2 × USB-HID, 2 × USB2.0)



### VGA/USB switch with a cascade port

(includes 8 × 6ft VGA/USB cables)

Connectors: (8 or 16 × HD15, 1 × VGA, 2 × USB-HID)

## Part numbers

<b>RV1-CAKVT17/FHD/Kn</b>	Rackview 17" high resolution LCD KVM drawer
<b>RV1-CAKVT17/FHD/KVM-12TDVI/Kn</b>	17" high resolution KVM drawer + 12-port DVI/USB Switch + 6 cables
<b>RV1-CAKVT17/FHD/KVM-108CMH/Kn</b>	17" high resolution KVM drawer + 8-port VGA/USB Switch, 2-port USB2.0 hub + 8 cables
<b>RV1-CAKVT17/FHD/KVM-108CMB/Kn</b>	17" high resolution KVM drawer + 8-port VGA/USB Switch, 1 cascade port + 8 cables
<b>RV1-CAKVT17/FHD/KVM-116CMH/Kn</b>	17" high resolution KVM drawer + 16-port VGA/USB Switch, 2-port USB2.0 hub + 8 cables
<b>RV1-CAKVT17/FHD/KVM-116CMB/Kn</b>	17" high resolution KVM drawer + 16-port VGA/USB Switch, 1 cascade port + 8 cables
<b>/K1</b>	HD15 -HD15 + (1) USB-A, user interface cable
<b>/K2</b>	HD15 to HD15 + (2) PS2, user interface cable
<b>/K3</b>	DVI-D + HD15 to DVI-I + USB-A, user interface cable
<b>/HM</b>	HDMI video audio option with 2 × 2W speakers
<b>/3G</b>	3G / HD / SD-SDI option
<b>/KM</b>	Trackball 2-button mouse option
<b>/DCnnn</b>	12, 24, 48, 125, 250 DC power
<b>International keyboard (/nn)</b>	/UK, /US, /DE, /FR, /SP, /IT, /PT, /NL, /CH, /BE, /SE, /NO, /IL, /DK, /JP, /CN, /RU, /AR

## Interface cables

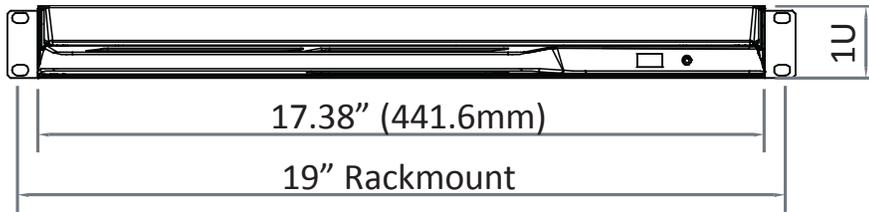


K1: VGA + USB

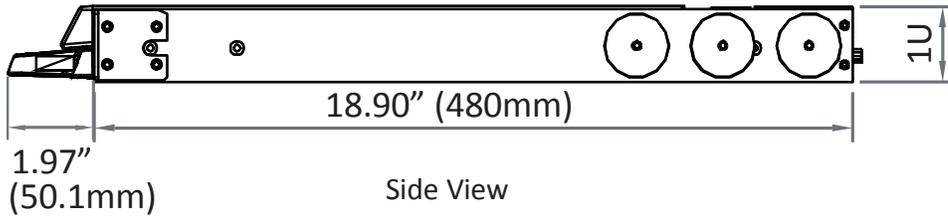
K2: VGA + PS2

K3: DVI + USB

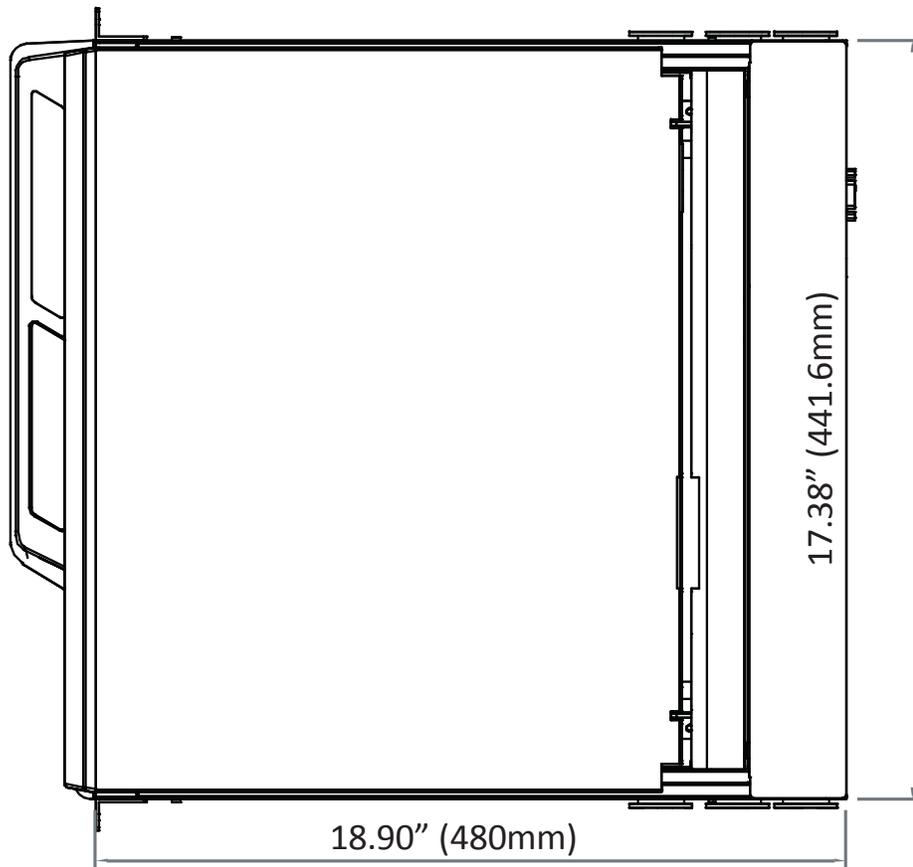
## DIMENSIONS



Front View



Side View



Top View

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