

# RackView-Switch

Sliding KVM Rack Drawer with Integrated KVM Switch

## Installation and Operation Manual



ROSE.COM



10707 Stancliff Road  
Houston, Texas 77099

Phone: (281) 933-7673  
techsupport@rose.com

# LIMITED WARRANTY

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Rose Electronics® warrants the sliding RackView-Switch Drawer to be in good working order for one year from the date of purchase from Rose Electronics or an authorized dealer. Should this product fail to be in good working order at any time during this one-year warranty period, Rose Electronics will, at its option, repair or replace the Unit as set forth below. Repair parts and replacement units will be either reconditioned or new. All replaced parts become the property of Rose Electronics. This limited warranty does not include service to repair damage to the Unit resulting from accident, disaster, abuse, or unauthorized modification of the Unit, including static discharge and power surges.

Limited Warranty service may be obtained by delivering this unit during the one-year warranty period to Rose Electronics or an authorized repair center providing a proof of purchase date. If this Unit is delivered by mail, you agree to insure the Unit or assume the risk of loss or damage in transit, to prepay shipping charges to the warranty service location, and to use the original shipping container or its equivalent. You must call for a return authorization number first. Under no circumstances will a unit be accepted without a return authorization number. Contact an authorized repair center or Rose Electronics for further information.

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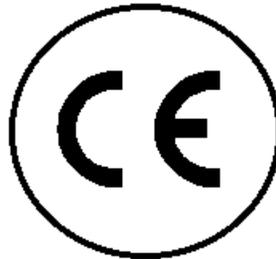
# DECLARATIONS OF CONFORMITY

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This is to certify that, when installed and used according to the instructions in this manual, the units listed and described here are shielded against the generation of radio interferences in accordance with the application of Council Directives 2014/30/EU and 2014/30/EU, as well as these standards:

- EN 55022: 2010/AC:2011 (Class B)
- EN 55024:2010 + A1:2015



This equipment has been found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

This equipment fully complies with the requirements of European Union Regulation (EC) 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH):

These devices comply with Directive 2011/65/EU of the European Parliament and of the council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS 2, RoHS II). The device labels carry a respective marking.

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# INTRODUCTION

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## Disclaimer

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While every precaution has been taken in the preparation of this manual, the manufacturer assumes no responsibility for errors or omissions. Neither does the manufacturer assume any liability for damages resulting from the use of the information contained herein. The manufacturer reserves the right to change the specifications, functions, circuitry of the product, and manual content at any time without notice.

The manufacturer cannot accept liability for damages due to misuse of the product or other circumstances outside the manufacturer's control. The manufacturer will not be responsible for any loss, damage, or injury arising directly or indirectly from the use of this product (See limited warranty).

## System Introduction

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Thank you for choosing the Rose Electronics RackView-Switch KVM Drawer, a unique 1U single rail system for the operation of a keyboard, mouse and monitor. The RackView is available in 17, 19, and 20-inch display models, with video resolutions up to 1600 x 1200 and on-screen menus that allow for easy display adjustment.

The RackView-Switch KVM Drawer provides superior picture quality and state-of-the-art features mounted in an industrial grade, rack mount console. The console forms a rugged enclosure that protects the panel from industrial hazards and permits easy access to panel controls. This easy-glide KVM station contains a high-resolution TFT/LCD monitor, a tactile keyboard, and a touchpad mouse.

The RackView-Switch Drawer combines an optional 8-port digital DVI/USB/Audio KVM switch that is conveniently mounted in the rear of the RackView, saving valuable rack-space. This makes the package ideal for controlling up to 8 DVI computers from a single KVM station, all mounted in a 19" rack. Switching to a specific CPU port can be done using keyboard hotkeys. In addition to switching and controlling a computer, the computer's audio can also be switched. Installing the unit is a plug-and-play function. The default settings are appropriate for most systems. When everything is powered up, you can begin operating the RackView-Switch.

The instructions in this manual assume a general knowledge of computer installation procedures, familiarity with cabling requirements, and some understanding video display device operation.

## Features

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- 1U model, 17" or 19" display with video resolution up to 1280 x 1024 or a 20" display with video resolution up to 1600 x 1200, VGA or DVI
- Front panel controls provide access to the OSD for set-up and quick adjustments of color, brightness, contrast, position, auto-tune, and input source
- USB or PS/2 touchpad/keyboard interface
- Full size 106 key keyboard with a separate numeric keypad and a 2-button touchpad mouse
- Supports Windows, Linux, Unix, Sun, MAC OS, Supports SUN native resolution
- Quick and easy "one-man" rack mounting installation, the RackView drawer can be mounted at any height in a standard 19" rack
- Fold and tilt the LCD Monitor for optimum viewing position
- 18 International keyboard versions available
- Mounting rails included

## Package Contents

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The RackView package contents consist of the following:

- 1 x RackView sliding single rail KVM drawer
- 2 x Mounting bracket sets (sliding rails) and support brackets (2)
- 1 x Set of accessories for assembly
- 2 x Locking keys
- 1 x Combo interface cable, 5ft (1.8m)
- 1 x DVI and 1 x USB-AB interface cable, 5ft (1.8m)
- 1 x Power supply unit
- 1 x Power cable
- 1 x Manual

The above package content is only for the single console model. The contents can vary with options such as a touchscreen, audio, and DC power. A detailed list of contents can be found in the installation section of this manual.

Additional cables are usually ordered separately. If the package contents are not correct, contact Rose Electronics or your reseller so the problem can be quickly resolved.

## RackView-Switch Options

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- DVI/USB KVM Switch with 8 x CPU ports, USB2.0, 2-port hub and analog audio
- Trackball mouse
- Analog audio (20-inch model)
- DC power, +/-12V, 24V, 48V

### Before Installation

It is very important to mount the equipment in a suitable cabinet or on a stable surface.

Make sure the mounting location has good ventilation, is out of direct sunlight, and away from sources of excessive dust, dirt, heat, water, moisture, and vibration.

# MODELS

## RackView-Switch Models

The RackView-Switch is available as described below.

### RackView-Switch Models

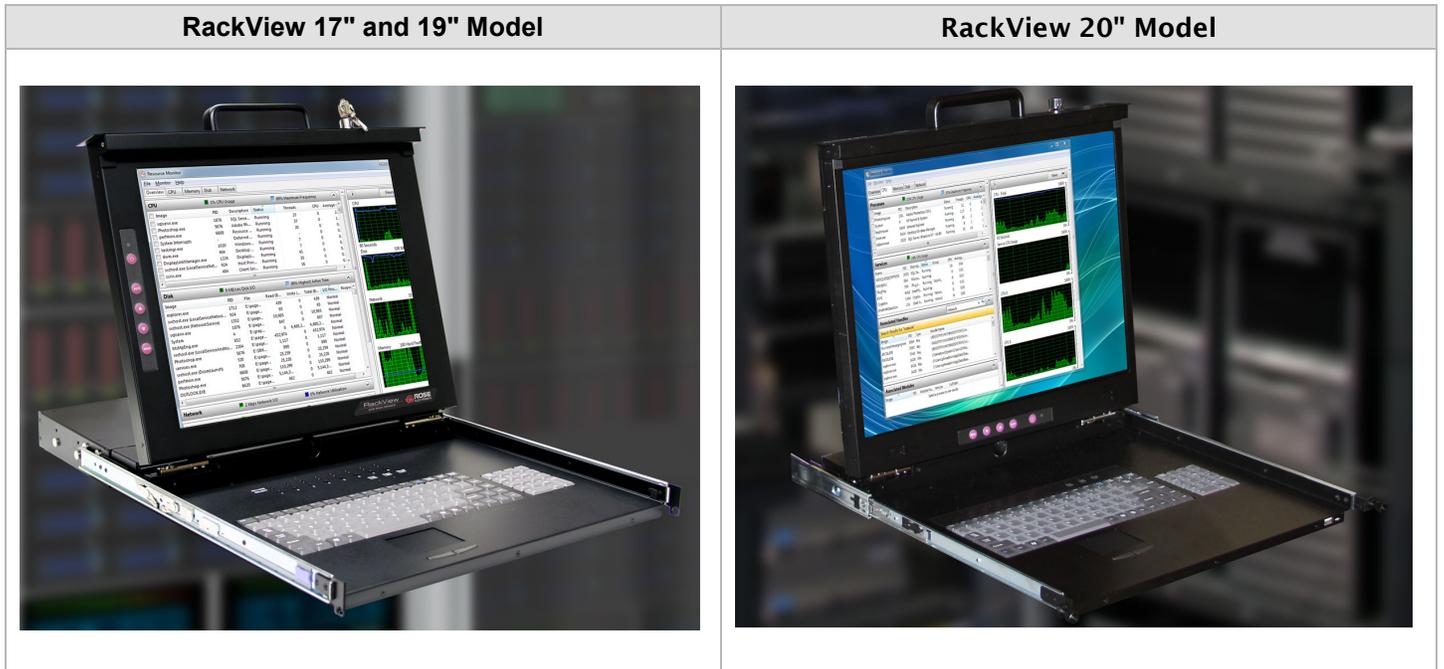


Figure 1. RackView-Switch Models

## RackView-Switch Rear Panel Connector Layout

The RackView-Switch rear panel includes HD15(VGA), DVI-D, PS2, and USB connectors as standard. This diagram shows the approximate positioning of the connectors on the rear panel of the single rail drawer. To view the rear panel layout of the RackView-Switch with the integrated 8-port digital KVM switch, please refer to Appendix E.

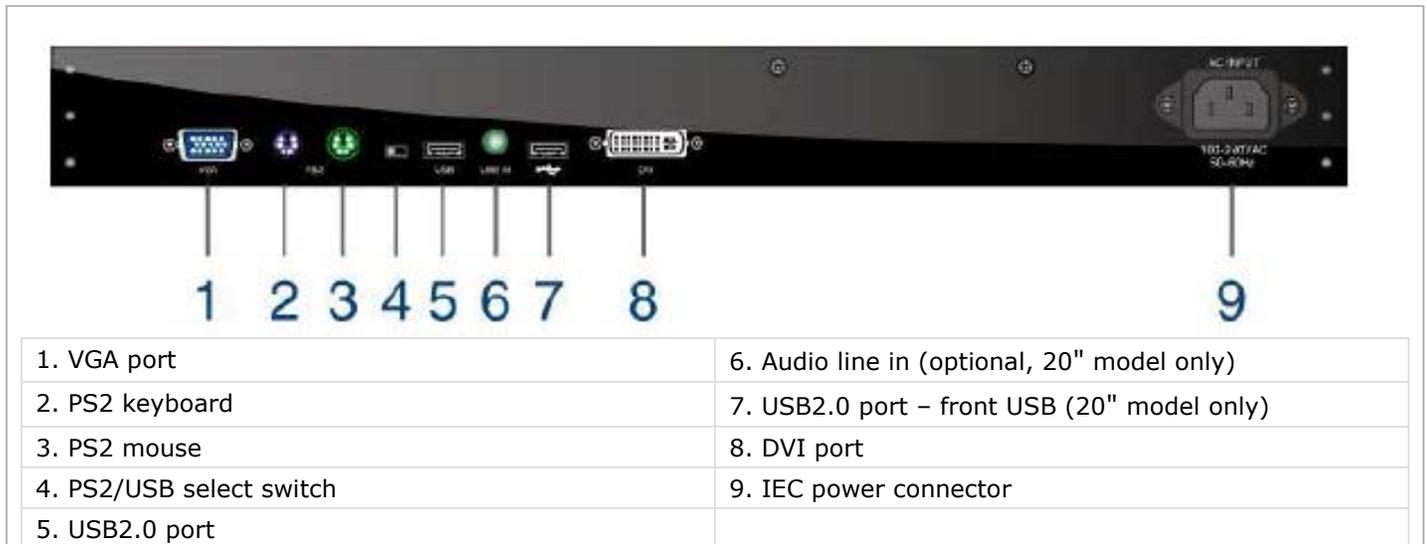


Figure 2. RackView rear panel (representative) connector layout

# INSTALLATION

## Installation Procedure

### Installation of the RackView-Single Rail (17" and 19" models)

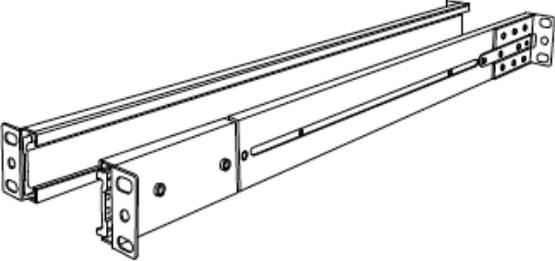
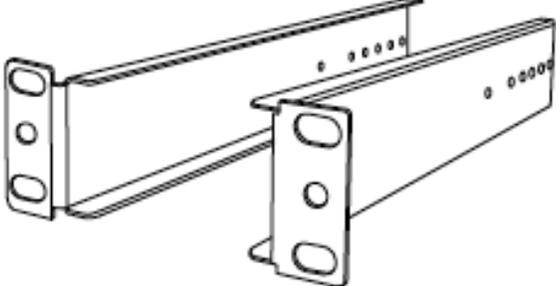
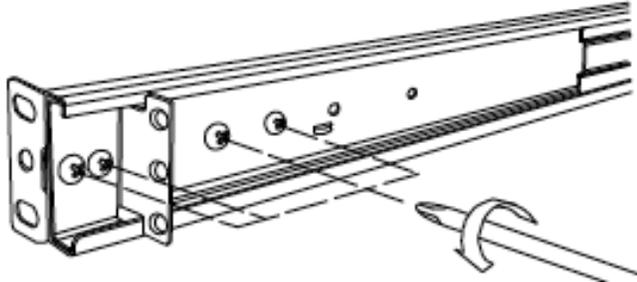
Please check the package contents to ensure all parts are available before you start the installation.

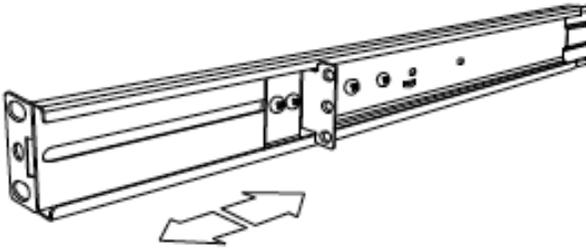
**17" Model:** Cabinet depth range of 19.84 – 39.37-inches (504-1000mm)

**19" Model:** Cabinet depth range of 21.81 – 39.37-inches (554-1000mm)

Please ensure that all connected electrical equipment is powered off and that reliable grounding is provided for all rack mounted equipment.

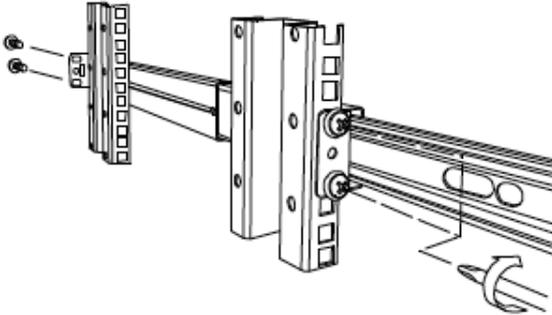
When removing the RackView from the packing carton, take care that the unit does not slide out of control

	<p><b>Check 1</b></p> <p>Rail with front and rear bracket x2 Note that the left and right brackets are different</p> <p>Use for a rack depth of 19.84-32.60-inches (504-828mm)</p>
	<p><b>Check 2</b></p> <p>Long bracket x 2</p> <p>Use for a rack depth of 32.60-39.37-inches (828-1000mm)</p>
	<p><b>Check 3</b></p> <p>Flat screws x 6 Round head screws x 6 Keys x 2</p>
	<p><b>Installation Step 1 (mounting rails, L/R)</b></p> <p>Loosen (do not remove) the 4 rear screws</p>



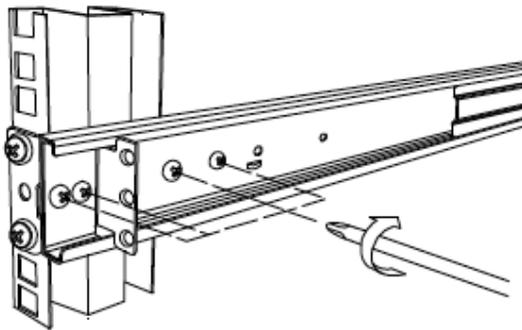
**Step 2**

Adjust the left and right brackets to fit your cabinet depth



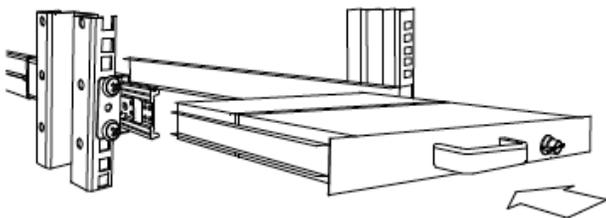
**Step 3**

Install the front and rear brackets on the cabinet on both sides



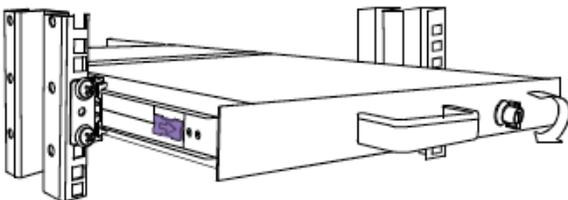
**Step 4**

Tighten up the rear screws on both sides



**Step 5**

Lift the RackView console and position it into the left and right rails



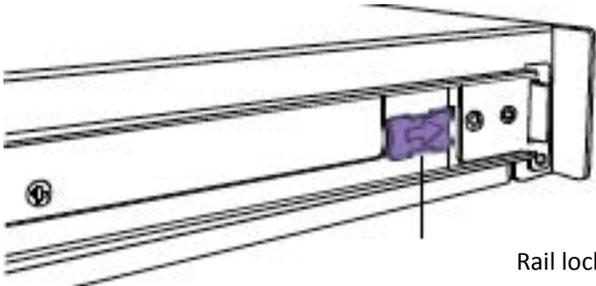
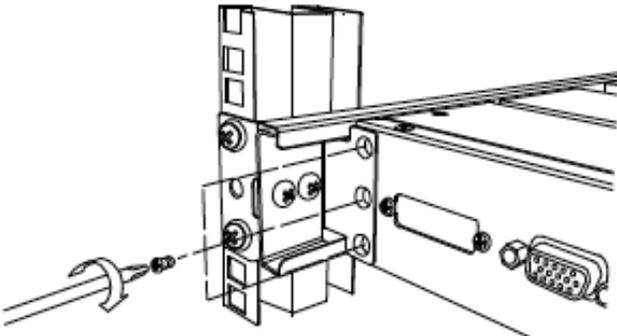
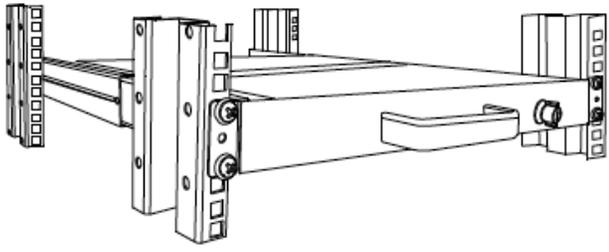
**Step 6**

Use the key to unlock the front lock. Pull the rail-lock switch, left and right sides at the same time, then push the RackView console fully into the rack cabinet

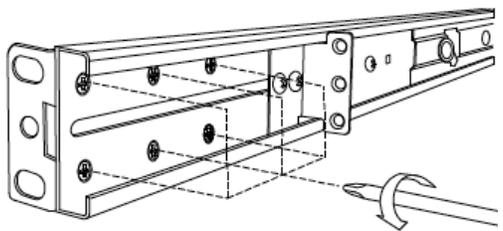


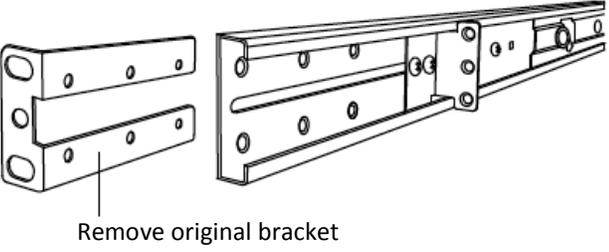
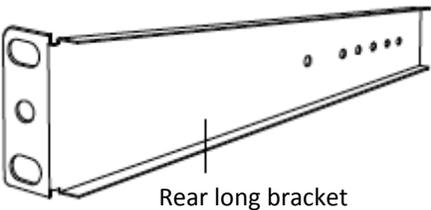
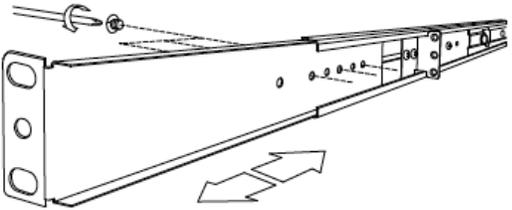
**lock**

**unlock**

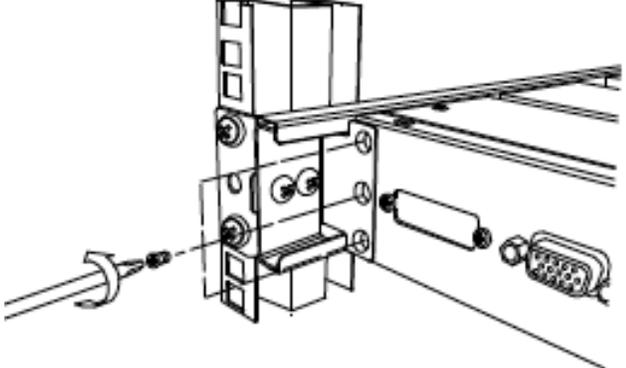
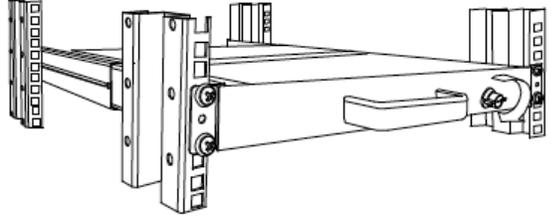
 <p>Rail lock switch</p>	<p><b>Step 7</b></p> <p>Locate the rail-lock switch on either side of the mounting rails</p>
	<p><b>Step 8</b></p> <p>Install 3 screws in the rear of the RackView console, on each side</p>
	<p><b>Step 9</b></p> <p>Finish the installation as shown</p>

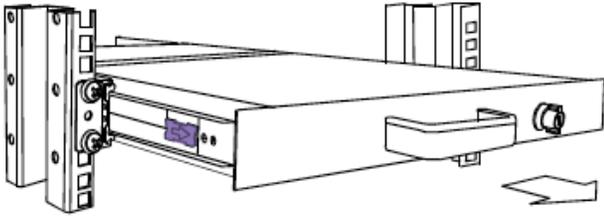
Should you need to use the set of long brackets for a cabinet depth of 32.60-39.37-inches (828-1000mm), follow this procedure to replace the extension brackets.

	<p><b>Replace Brackets 1</b></p> <p>Remove 6 screws on each side</p>
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 <p>Remove original bracket</p>	<p><b>Replace Brackets 2</b></p> <p>Remove the original short extension bracket</p>
 <p>Rear long bracket</p>	<p><b>Replace Brackets 3</b></p> <p>Locate the 2 rear long brackets and prepare to slide them into the mounting rails</p>
	<p><b>Replace Brackets 4</b></p> <p>Adjust the rear long bracket to fit the depth of your rack cabinet. Do this for both sides</p> <p>Tighten 3 screws to secure the bracket in place. (Note, do not use only 1 screw as it may damage the RackView and the mounting rails)</p> <p>Repeat the installation steps 1-9 above.</p>

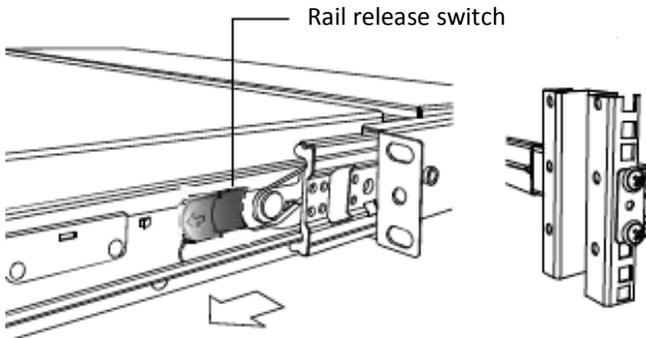
Should the need arise to remove the RackView from the rack cabinet, please follow these un-mounting steps.

	<p><b>Remove 1</b></p> <p>Make sure the RackView is locked</p> <p>Remove the 3 screws in the rear of the RackView console, on both sides</p>
	<p><b>Remove 2</b></p> <p>Now unlock the front panel</p> <div style="text-align: right;">  <b>lock</b>   <b>unlock</b> </div>



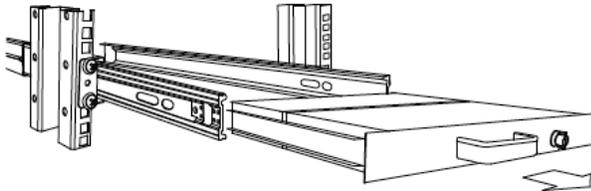
### Remove 3

Pull the RackView console out until it reaches the lock position



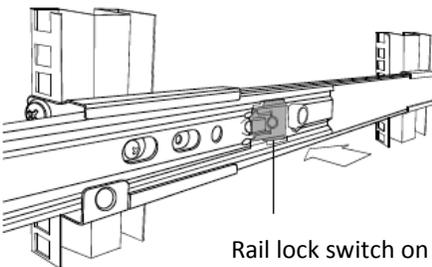
### Remove 4

Pull the rail release switch on each side.



### Remove 5

Slowly pull the RackView console out from the mounting rails



### Remove 6

Push the rail lock switch back into position, and slide the mounting rails back

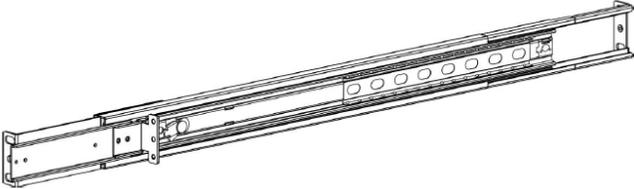
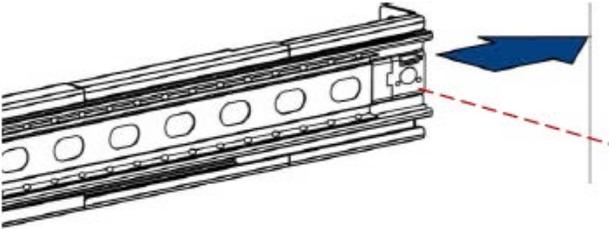
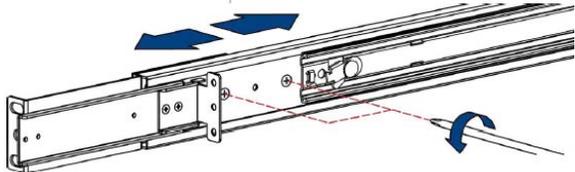
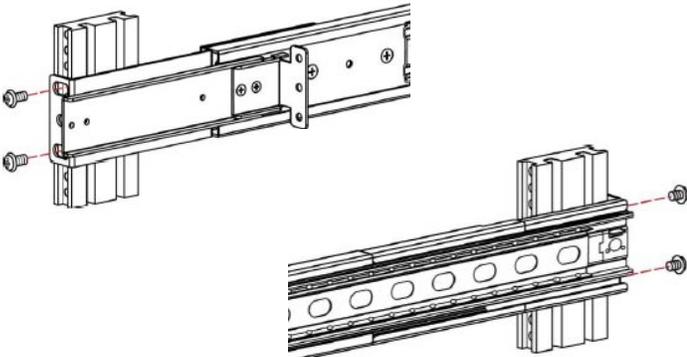
## Installation of the RackView-Single Rail (20" model)

Please check the package contents to ensure all parts are available before you start the installation.

**20" Model:** Cabinet depth range of 26.22 – 37.87-inches (666-962mm)

Please ensure that all connected electrical equipment is powered off and that reliable grounding is provided for all rack mounted equipment.

When removing the RackView from the packing carton, take care that the unit does not slide out of control.

	<p><b>Check 1</b></p> <p>Mounting rails with front and rear brackets x 2</p>
	<p><b>Check 2</b></p> <p>Flat screws x 6 Keys x 2</p>
	<p><b>Installation Step 1 (mounting rails, L/R)</b></p> <p>Adjust the rail until 2 screws appear</p> <p>Follow Steps 1,2, and 3 for both left and right mounting rails</p>
	<p><b>Step 2</b></p> <p>. Loosen but do not remove these screws.</p> <p>Adjust the rear bracket to fit the back rail of your rack cabinet</p>
	<p><b>Step 3</b></p> <p>Install and tighten the screws of the front and rear brackets on the rack cabinet</p>

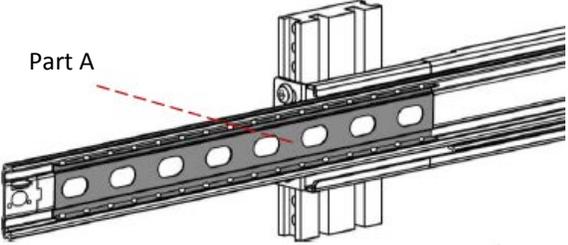
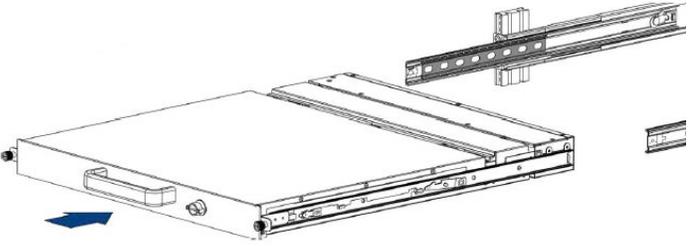
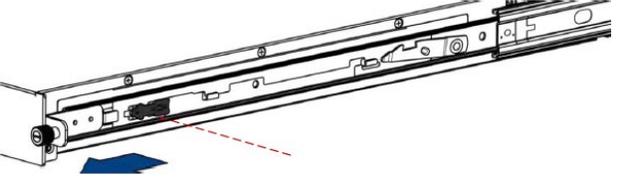
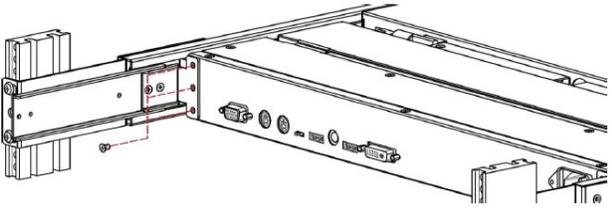
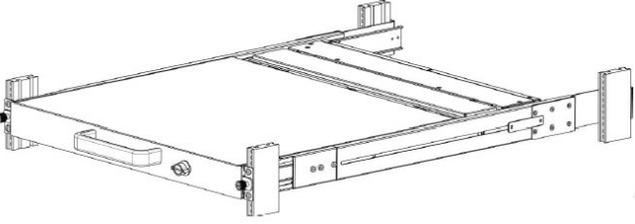
	<p><b>Step 4</b></p> <p>Pull the rails until they lock. Keep the “Part A” towards the front of the mounting rail</p> <p>Position the RackView console into the left and right mounting rails.</p>
	<p><b>Step 5</b></p> <p>Pull the mounting rail release switch on each side and push the RackView fully into the rack cabinet</p>
	<p><b>Step 6</b></p> <p>Position of the rail release switch</p>
	<p><b>Step 7</b></p> <p>Install 3 screws in the rear mount of the RackView console, both sides</p>
	<p><b>Step 8</b></p> <p>Finish the installation as shown opposite</p>

Figure 3. RackView installation procedure

	<b>Bracket Sets Included with the RackView-Single Rail Console</b>		
	<b>RackView 17" Model</b>	<b>RackView 19" Model</b>	<b>RackView 20" Model</b>
Standard bracket	19.84 – 32.60-inch (504 - 828mm)	21.81 – 32.60-inch (554 - 828mm)	26.22 – 37.87-inch (666 - 962mm)
Long bracket	32.60 – 39.37-inch (828 - 1000mm)	32.60 – 39.37-inch (828 - 1000mm)	
Mounting Screws	6 x Flat screws 6 x Round screws	6 x Flat screws 6 x Round screws	6 x Flat screws
RackView Console Keys	2 x keys	2 x keys	2 x keys

**Table 1. Included rail-mount bracket sets**

# OPERATION

## Front Panel Controls and OSD Function

The OSD control panel is mounted either horizontally or vertically, next to the LCD display. To access the OSD, press the “Menu” button and the OSD will appear on the monitor

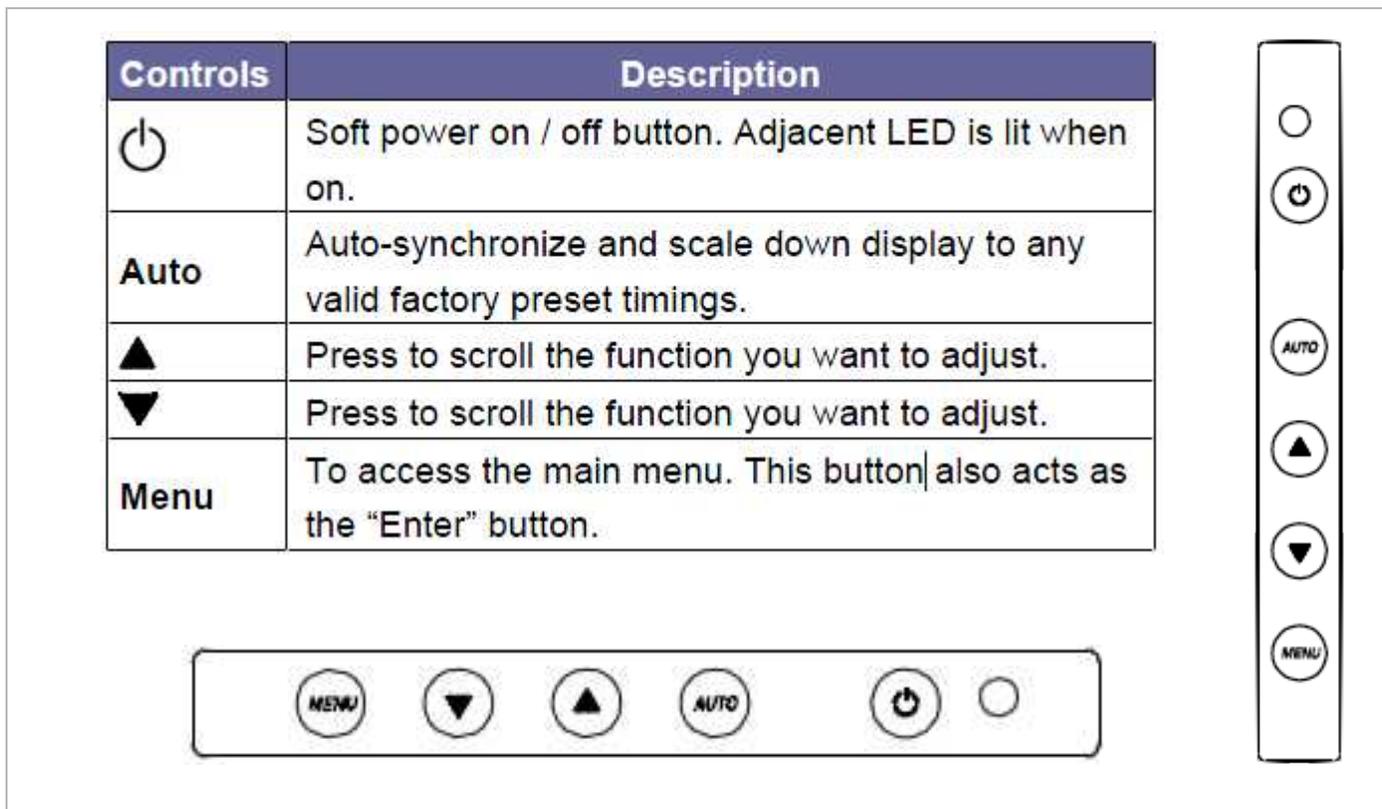


Figure 4. OSD control panel buttons and OSD display

### Navigating the OSD Menu

There are eight different selectable menu items in the OSD.

To operate the OSD, press the “Menu” button

Use the “Down” and “Up” buttons to scroll through the Menu

Once the menu item has been selected, press the “Menu” button again to enter the sub-menu

- Auto tune.
- Input Source
- Brightness
- Contrast
- Color
- Position
- Language
- Recall
- Exit

## Auto Tune

Press the “auto tune” button. The panel will adjust the display size automatically and also tune the panel to its optimum video resolution.

## Input Source

Press the “menu” button to enter and you will see:

VGA / DVI

Use the “Down” and “Up” button to select the input source of signal.

Press the “menu” button to enter

## Brightness

Press the “menu” button to enter.

Use the “Down” and “Up” button to adjust the brightness of the display.

Press the “menu” button to enter.

## Contrast

Press the “menu” button to enter.

Use the “Down” and “Up” button to adjust the contrast of the display.

Press the “menu” button to enter.

## Color

Press the “menu” button to enter, and you will see the image below.

Use the “Down” and “Up” button to adjust the color of the display.

Press “menu” to enter.

Icon	Description
9300°K	To set CIE coordinates at 9300°K color
7500°K	To set CIE coordinates at 7500°K color
6500°K	To set CIE coordinates at 6500°K color
User	To set user defined CIE
Auto color	To auto adjust color
Return	To exit and return to the previous page

## Position

Press the “menu” button to enter and you will see the image below

Use the “Down” and “Up” button to scroll.

Press the “menu” button to enter.

Icon	Description
Image Pos	To adjust the position of the image.
OSD Pos	To adjust the position of the OSD.
Return	To exit and return to the previous page

## Language

Press the “menu” button to enter and you will see:

- English
- German
- French
- Italian
- Spanish

Use the “Down” and “Up” button to scroll.

Press the “menu” button

## Recall

Press the “menu” button to enter, and you will see:

Yes/ No

Select “Yes” button then ‘Menu” button to recall the factory setting.

Select “No” button to return to the previous page.

## Exit

Press the “exit” button to quit the OSD menu.

Power Indicator

GREEN ON

RED STANDBY

RED SUSPEND

RED OFF

## Connecting the RackView-Switch

1. Turn off your computer. You should always turn off your computer before connecting or disconnecting a device.
2. Connect the video (VGA) connector of the KVM cable to the video card connector on the rear panel of your computer. Alternatively, connect the DVI video cable for a DVI connection.
3. Identify and connect the PS/2 mouse and PS/2 keyboard connector to the correct PS/2 ports on the rear panel of your computer. Alternatively, connect the USB cable for a USB connection.
4. Connect the AC power cord to the power inlet on the console and then to a power outlet.

## Turning on the RackView-Switch

Make sure all cables and the power cord are connected properly. Be sure to tighten all connector screws. Pull the RackView console all the way out then lift the panel up. This will disengage the momentary on/off switch and the unit should power on. Check that the on/off switch in the front of keyboard plate is on and the green LED on the left side is on.

## Testing the RackView-Switch

To test that the RackView is working properly, perform the following steps:

1. Power up the console, and then turn on your computer.
2. Make sure the video image is centered within the screen area Use the OSD controls to adjust the image or press the Auto button on the left or underneath of the display panel.

## Configuring the Display Settings

After connecting the RackView-Switch console and turning on your computer, you may need to configure one or more of the following display settings:

- Display mode (also called desktop area or video resolution)
- Refresh rate (also called vertical scan rate or vertical sync)
- Color depth (also called color palette or number of colors)

Each video card has several controls for adjusting the display settings. However, the software and driver for each video card is unique. In most cases, you adjust these settings by using a program or utility provided by the manufacturer of the video card.

Most video cards use the Windows Display Properties control panel to configure the display. To open the Windows Display Properties, click the right mouse button in a blank area of the Windows desktop and then select Properties.

The Settings tab usually lets you change the Color Palette and the Desktop Area (x by y pixel resolution).

Some video cards integrate additional features into the Windows Display Properties control panel to give you an exceptional setup that is flexible and easy to use. For example, the control panel may include an Advanced Properties button, an Adjustment tab, or a Refresh tab for changing other settings. Other video cards have a separate utility for setting display properties.

Whenever you change the resolution, color, or refresh rate, the image size, position, or shape may change. This behavior is normal. You can readjust the image using the panel on-screen controls.

For more information on configuring the display settings, refer to the manual that came with your video card. You can adjust the horizontal and vertical position, contrast, and brightness to better suit your video card and your personal preference.

Refer to the OSD section of this manual for more information on using the on-screen menu to adjust the video display

Before you begin, make sure that electrical power to all the devices you will be connecting up has been turned off. To prevent damage to your installation due to ground potential difference, make sure that all the devices on the installation are properly grounded. Consult your direct reseller for any technical issues if necessary

# PRODUCT SAFETY

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## Safety

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The RackView-Switch Drawer, like all electronic equipment, should be used with care. To protect yourself from possible injury and to minimize the risk of damage to the Unit, read and follow these safety instructions.

- Follow all instructions and warnings marked on this Unit.
- Except where explained in this manual, do not attempt to service this Unit yourself.
- Do not use this Unit near water.
- Assure that the placement of this Unit is on a stable surface.
- Provide proper ventilation and air circulation.
- Keep connection cables clear of obstructions that might cause damage to them.
- Use only power cords, power adapter and connection cables designed for this Unit.
- Keep objects that might damage this Unit and liquids that may spill, clear from this Unit. Liquids and foreign objects might come in contact with voltage points that could create a risk of fire or electrical shock.
- Do not use liquid or aerosol cleaners to clean this Unit. Always unplug this Unit from the power source before cleaning.

Remove power from the unit and refer servicing to a qualified service center if any of the following conditions occur:

- The connection cables are damaged or frayed.
- The Unit has been exposed to any liquids.
- The Unit does not operate normally when all operating instructions have been followed.
- The Unit has been dropped or the case has been damaged.
- The Unit exhibits a distinct change in performance, indicating a need for service.

# SERVICE AND MAINTENANCE

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## Maintenance and Repair

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This Unit does not contain any internal user-serviceable parts. In the event a Unit needs repair or maintenance, you must first obtain a Return Authorization (RA) number from Rose Electronics or an authorized repair center. This Return Authorization number must appear on the outside of the shipping container.

See Limited Warranty for more information.

When returning a Unit, it should be double-packed in the original container or equivalent, insured and shipped to:

Rose Electronics

Attn: RA \_\_\_\_\_

10707 Stancliff Road

Houston, Texas 77099 USA

## Technical Support

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If you are experiencing problems, or need assistance installing your product, consult the appropriate section of this manual. If, however, you require additional information or assistance, please contact the Rose Electronics Technical Support Department at:

Phone: (281) 933-7673

E-mail: [TechSupport@rose.com](mailto:TechSupport@rose.com)

Web: [www.rose.com](http://www.rose.com)

Technical Support hours are from: 8:00 am to 6:00 pm CST (USA), Monday through Friday.

Please report any malfunctions in the operation of this Unit or any discrepancies in this manual to the Rose Electronics Technical Support Department.

# APPENDICES

## Appendix A – Specifications for RackView 17" and 19" Models

<b>Chassis Details</b>	<b>RackView 17" Model</b>	<b>RackView 19" Model</b>
Display Monitor	1U, 17" active matrix TFT LCD	1U, 19" active matrix TFT LCD
Drawer Dimensions	18.9 x 19.0 x 1.7 inch 480 x 482 x 43 mm	20.8 x 19.0 x 1.7 inch 530 x 482 x 43 mm
Weight	26.5 lb (12.0Kg)	27.6 lb (12.5Kg)
Mounting Rail Distance	19.84 – 39.37-inch (504-1000mm).	21.81 – 39.37-inch (554-1000mm)
<b>Video Specification</b>	<b>RackView 17" Model</b>	<b>RackView 19" Model</b>
Maximum Resolution	1280 x 1024 @60Hz (SXGA)	1280 x 1024 @60Hz (SXGA)
Brightness and Backlight Type	250 cd/m <sup>2</sup> , Dual lamp backlight	250 cd/m <sup>2</sup> , Dual lamp backlight
Color Support	16.7 million	16.7 million
Contrast Ratio (typical.)	1000:1	1000:1
Viewing Angle (H/V)	Left/Right 170°, Up/Down 160°	Left/Right 170°, Up/Down 160°
Pixel Pitch	0.264 x 0.264mm	0.098 x 0.294mm
Response Time	Rising: 3.8ms, Decay: 1.2ms	Rising: 3.6ms, Decay: 1.4ms
<b>Connectors and Controls</b>		
Console Ports (standard model) (one cable included)	1 x DVI-D 1 x HD15 (VGA) 1 x USB-HID for USB keyboard and mouse 2 x PS2 for PS2 keyboard and mouse	
Power	1 x IEC power connector	
Keyboard and Mouse	106 key keyboard and 2-button touchpad mouse	
<b>Power</b>		
Power Input	Auto-sensing 100 to 240VAC, 50 / 60Hz	
Power Consumption	17" model: 9.91W, 19" model 11.03W	
<b>Environmental, Approvals, and Support</b>		
Operating Temp	0° to 50°C Degree, 32° to 122°F Degree	
Storage Temp	-20° to 60 °C Degree, -4° to 140°F Degree	
Operating Humidity	Operating: 10~90%, non-condensing	
Regulation/Approvals	cUL, FCC, CE, C-Tick	
Compatibility	Multi-platform - Mix PCs, SUNs, IBMs, HPs and DELLs. DOS, Unix, Linux, OSX, Windows	

## Appendix B – Specifications for RackView 20" Model

<b>Chassis Details</b>		<b>RackView 20" Model</b>
Display Monitor	1U, 20.1" active matrix TFT LCD	
Drawer Dimensions	20.7 x 19.0 x 1.7 inch 526 x 482 x 43 mm	
Weight	36.4 lb (16.5Kg)	
Mounting Rail Distance	26.22 – 37.87-inch (666-962mm).	
<b>Video Specification</b>		<b>RackView 20" Model</b>
Maximum Resolution	1600 x 1200 @60Hz (UXGA)	
Brightness and Backlight Type	300 cd/m <sup>2</sup> , Six lamps backlight	
Color Support	16.7 million with 8-bit FRC	
Contrast Ratio (typical.)	1000:1	
Viewing Angle (H/V)	Left/Right 178°, Up/Down 178°	
Pixel Pitch	0.255 x 0.255mm	
Response Time	Rising: 7ms, Decay: 9ms	
<b>Connectors and Controls</b>		
Console Ports (standard model) (one cable included)	1 x DVI-D 1 x HD15 (VGA) 1 x USB-HID for USB keyboard and mouse 1 x USB2.0 for USB device connection (from USB2.0 port on front panel) 2 x PS2 for PS2 keyboard and mouse 1 x 3.5mm audio (optional)	
Power	1 x IEC power connector	
Keyboard and Mouse	106 key keyboard and 2-button touchpad mouse	
<b>Power</b>		
Power Input	Auto-sensing 100 to 240VAC, 50 / 60Hz	
Power Consumption	50 watts, 45 Watts for the panel	
<b>Environmental, Approvals, and Support</b>		
Operating Temp	0° to 50°C Degree, 32° to 122°F Degree	
Storage Temp	-20° to 60 °C Degree, -4° to 140°F Degree	
Operating Humidity	Operating: 10~90%, non-condensing	
Regulation/Approvals	cUL, FCC, CE, C-Tick	
Compatibility	Multi-platform - Mix PCs, SUNs, IBMs, HPs and DELLs. DOS, Unix, Linux, OSX, Windows	

## Appendix C – Part Numbers

Part Number	Description
RV1-CSKVT17/DVI	1U, 17" RackView-Switch, Resolution to 1280 x 1024 (includes one of each, VGA/PS2, USB-AB and DVI cables (all 5ft, 1.8m)
RV1-CSKVT19/DVI	1U, 19" RackView-Switch, Resolution to 1280 x 1024 (includes one of each, VGA/PS2, USB-AB and DVI cables (all 5ft, 1.8m)
RV1-CSKVT20/DVI	1U, 20" RackView-Switch, Resolution to 1600 x 1200 (includes one of each, VGA/PS2, USB-AB and DVI cables (all 5ft, 1.8m)
<b>RackView Interface Cable: (optional DVI and USB interface cables)</b>	
CAB-DVIDMM006	DVI-D extension cable, M/M, 6ft (2.0m)
CAB-DVIDMM010	DVI-D extension cable, M/M, 10ft (3.0m)
CAB-USBAB006	USB-AB extension cable, M/M, 6ft (2.0m)
CAB-USBAB010	USB-AB extension cable, M/M, 10ft (3.0m)
<b>RackView + Integrated 8-Port DVI/USB/Audio KVM Switch</b>	
RV1-CSKVT17/KVM-8TDVI/A1	1U, 17" RackView-Switch with an integrated 8-port DVI/USB/Audio KVM Switch
RV1-CSKVT17/KVM-8TDVI/A1-K6	1U, 17" RackView-Switch with an integrated 8-port DVI/USB/Audio KVM Switch (includes 8 x DVI and 8 x USB-AB cables (6ft, 2.0m)
RV1-CSKVT19/KVM-8TDVI/A1	1U, 19" RackView-Switch with an integrated 8-port DVI/USB/Audio KVM Switch
RV1-CSKVT19/KVM-8TDVI/A1-K6	1U, 19" RackView-Switch with an integrated 8-port DVI/USB/Audio KVM Switch (includes 8 x DVI and 8 x USB-AB cables (6ft, 2.0m)
RV1-CSKVT19/KVM-8TDVI/A1	1U, 20" RackView-Switch with an integrated 8-port DVI/USB/Audio KVM Switch
RV1-CSKVT19/KVM-8TDVI/A1-K6	1U, 20" RackView-Switch with an integrated 8-port DVI/USB/Audio KVM Switch (includes 8 x DVI and 8 x USB-AB cables (6ft, 2.0m)
<b>RackView Options</b>	
/KM	Trackball 2-button mouse option
/nnDC	+/- 12, 24 or 48 DC power
/A1	Analog audio (20-inch model)
/nn	Keyboard Language Option: /UK, /FR, /IT, /DN, /BE, /NO, /DE, /ES, /PO, /SI, /SD, /DA, /JP, /TW. Add /nn to part

## Appendix D – RackView Dimensions

### RackView Dimensions: Package Size and Weight

Model	Product Dimension (D × W × H) approx	Packing Dimension (D × W × H) approx	Net Weight	Gross Weight
RackView-Switch 17"	18.9 × 19.0 × 1.7 inch 480 × 482 × 43 mm	26.7 × 22.2 × 8.1 inch 677 × 564 × 206 mm	26.5lbs 12.0Kg	40.8lbs 18.5Kg
RackView-Switch 19"	20.8 × 19.0 × 1.7 inch 530 × 482 × 43 mm	28.1 × 22.2 × 8.1 inch 715 × 564 × 206 mm	27.6lbs 12.5Kg	43.0lbs 19.5Kg
RackView-Switch 20"	20.7 × 19.0 × 1.7 inch 526 × 482 × 43 mm	32.6 × 22.2 × 8.1 inch 827 × 564 × 206 mm	36.4lbs 16.5Kg	49.6lbs 22.5Kg

Table 2. RackView product and packaging dimensions

The above package content is only for the single RackView-Switch Drawer. The package size and weight varies with options such as KVM switch, as below.

### Package Size and Weight with Internal KVM Switch

Model-with KVM Switch	Product Dimension (D × W × H) approx	Packing Dimension (D × W × H) approx	Net Weight	Gross Weight
RackView-Switch 17"with an internal KVM Switch	23.3 × 19.0 × 1.7 inch 590 × 482 × 44.0 mm	31.0 × 22.2 × 8.1 inch 788 × 564 × 205 mm	28.7lb 13.0Kg	45.2lb 20.5Kg
RackView-Switch 19"with an internal KVM Switch	25.2 × 19.0 × 1.7 inch 640 × 482 × 44.0 mm	32.6 × 22.2 × 8.1 inch 827 × 564 × 206 mm	30.9lb 14.0Kg	47.4lb 21.5Kg
RackView-Switch 20"with an internal KVM Switch	25.2 × 19.0 × 1.7 inch 640 × 482 × 44.0 mm	32.6 × 22.2 × 8.1 inch 827 × 564 × 206 mm	39.7lb 18.0Kg	51.8lb 23.5Kg

Table 3. RackView product and packaging dimensions (including a KVM switch)

### RackView Dimensional Measurements with Internal KVM Switch

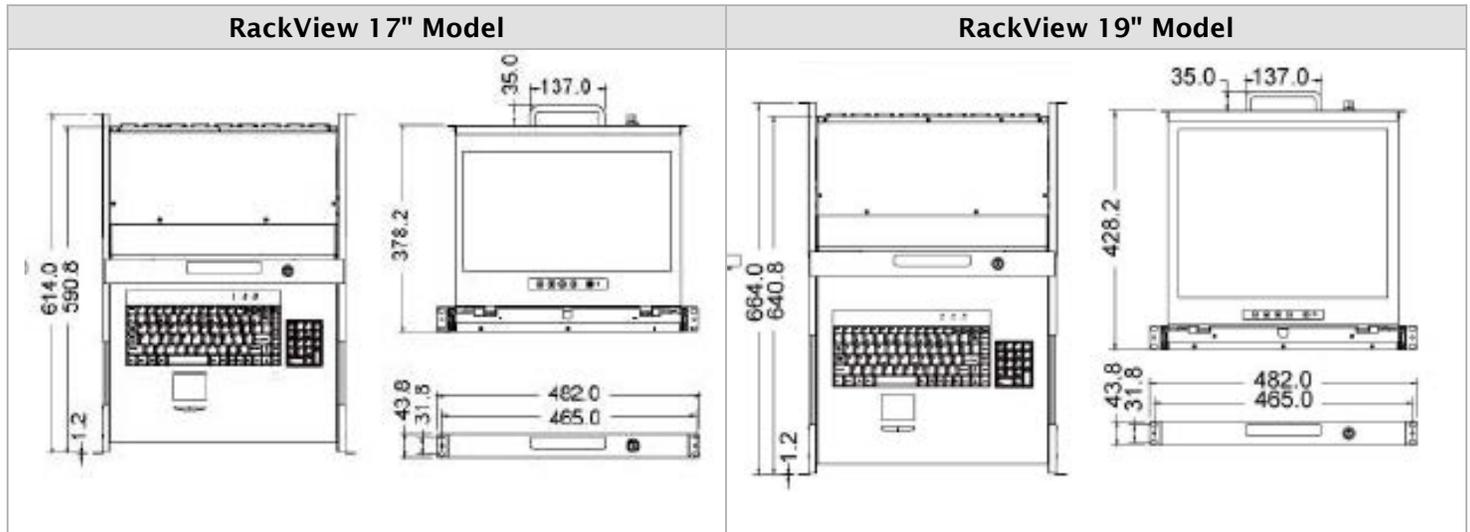


Figure 5. Dimensions of RackView 17" and 19" models

## RackView Dimensional Measurements with Internal KVM Switch

### RackView 20" Model

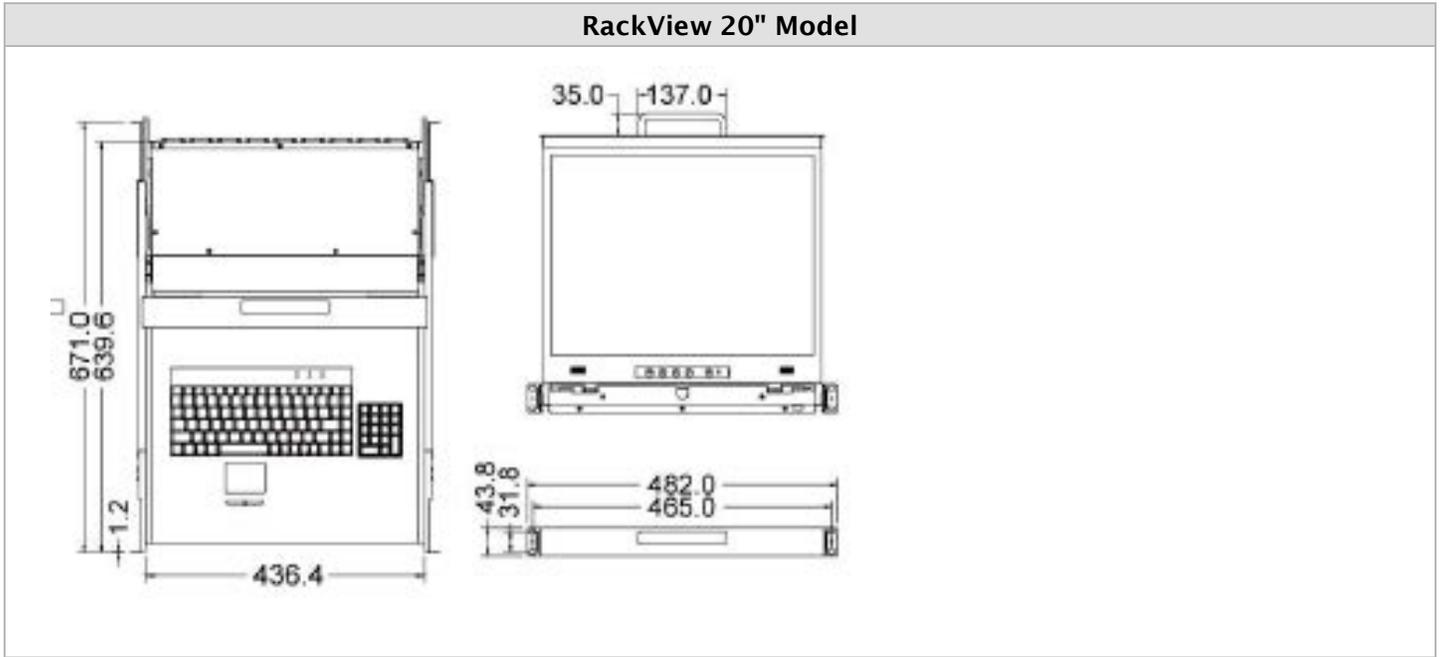


Figure 6. Dimensions of RackView 20" model

## Appendix E – RackView with Integrated KVM Switch

### RackView Option with Integrated KVM Switch

The RackView-Switch series can be configured with an integrated 8-port DVI USB KVM switch with audio switching function. Using the KVM switch option, up to eight 8 DVI/USB-enabled multimedia computers with DVI video interfaces, USB2.0 devices and a set of speakers can be connected directly to the RackView-Switch drawer. With the included 2-port USB2.0 hub, you can share data from the USB devices to all connected servers.

The DVI USB KVM console supports 1280 x 1024 video resolution when integrated with the RackView-Switch 17" and 19" models, and up to 1600 x 1200 when integrated with the RackView-Switch 20" model.

The integrated KVM switch is mounted at the rear of the RackView unit, in a compact 1U package  
The available switch option is;

- KVM-8TDVI/A1 An 8-port single-user DVI/USB/Audio switch

When ordered as a complete kit (RackView + KVM Switch), the RackView and the Switch are connected internally. All that is required is to connect the CPU cables (DVI, USB, Audio) from the rear panel of the switch to the host PC/Servers.

The RackView can then be used to select and operate the attached PC's/Servers.

### KVM Switch Model – Rear Panel View



Figure 7 RackView integrated KVM switch model

8-Port KVM Switch Interface	
User Port	1 x DVI-D video interface 2 x USB-HID Type A for Keyboard and mouse 2 x USB2.0 Type A for USB2.0 device connection 2 x 3.5mm analog audio 1 x DC power jack
CPU Ports, 1-8	8 x DVI female 8 x USB type B 8 x 3.5mm analog audio

Table 4. 8-port digital KVM switch connector specification

A unique feature of the 1x8 DVI USB KVM switch is that the audio can be either switched with the video or not switched. The advantage is that, for example, you can have the audio from PC #1 playing while viewing and controlling CPC#5. This binding and unbinding feature also applies to the integral 2-port USB hub. You can be printing a document from PC #1 while viewing and controlling a different PC.

## Appendix F – RackView DC Power Options

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### **RackView DC Power**

The RackView-Switch Drawer can be ordered with optional DC power input for +/-12V, 24V and 48VDC. Select the DC voltage required, then add the voltage to the RackView part number as /nnDC. For example, adding 48VDC to a RackView 17" would result in RV1-CSKVT17/DVI/48DC part number.

The DC power option excludes the AC power adapter and power cord

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Rose Electronics ▪ 10707 Stancliff Road ▪ Houston, Texas 77099  
Rose USA (281) 933-7673 ▪ Rose Europe +49 (0) 2454 969442  
Rose Asia +65 6324 2322 ▪ Rose Australia +61 (0) 421 247083



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