RackView 17" 19" and 20"

Sliding KVM Drawer

Installation
and
Operation Manual

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ROSE ELECTRONICS

LIMITED WARRANTY

Rose Electronics® warrants the RackView 17" 19" and 20" KVM 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.

ALL EXPRESS AND IMPLIED WARRANTIES FOR THIS PRODUCT INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO A PERIOD OF ONE YEAR FROM THE DATE OF PURCHASE, AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THIS PERIOD. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

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SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR CONSUMER PRODUCTS, SO THE ABOVE MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

DECLARATIONS OF CONFORMITY

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
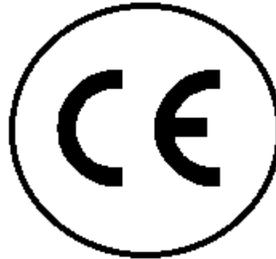
This equipment has been found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, 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.

The manufacturer complies with the EU Directive 2012/19/EU on the prevention of waste electrical and electronic equipment (WEEE). The device labels carry a respective marking.

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

Disclaimer

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

Thank you for choosing the Rose Electronics RackView KVM drawer. The RackView KVM drawer is available in several different high-performance LCD display sizes. All RackView drawers are rack mounted devices and operated following the same general procedure.

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

- 1U model with 17", 19" or 20" TFT/LCD monitor
- Resolution for the 17" and 19" models up to 1280×1024, VGA or DVI
- Resolution for the 20" model up to 1600×1200 (UXGA), VGA or DVI
- Front panel controls provide access to the OSD for set-up and quick adjustments of color, brightness, contrast, position, and shape of the display
- USB or PS/2 touchpad/keyboard interface
- Full size 104 keyboard with a separate numeric keypad and a 2-button touchpad mouse
- Supports Windows, Linux, Unix, Sun, MAC OS
- Panel protected by tempered glass
- Active EDID monitor function
- 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

RackView Options

- Integrated KVM switch, DVI USB Audio (12 port) or VGA USB (8 or 16 port)
- Touchscreen resistive and capacitive displays on the 17" and 19" models only
- HDMI (replaces the DVI interface)
- S-Video + Composite (BNC)
- 3G/HD/SD-SDI video, available on the 17" and 19" models only
- Front USB 2.0 port for device access, available with the KVM-Hub switch option only
- Trackball mouse
- DC power, 12, 24, 48, 125, 250V

Package Contents

The package contents consist of the following:

- 1 x RackView sliding KVM drawer
- 1 x Mounting bracket (sliding rails) set
- 1 x Set of screws/washers for assembly
- 1 x Combo interface cable (depending on the model selected)
- 1 x Power supply unit
- 1 x Power cable
- 1 x Manual

The above package content is only for the single console models. The contents can vary with options such as KVM, HDMI, DVI-D, AV & DC power.

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.

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 Models

The RackView is available in three models as described below.

Front View - All Models

RackView 17/19-inch TFT color LCD	RackView 20-inch TFT color LCD
VGA and DVI, 1280×1024 resolution	VGA and DVI, 1600×1200 resolution

Figure 1. RackView models - front view
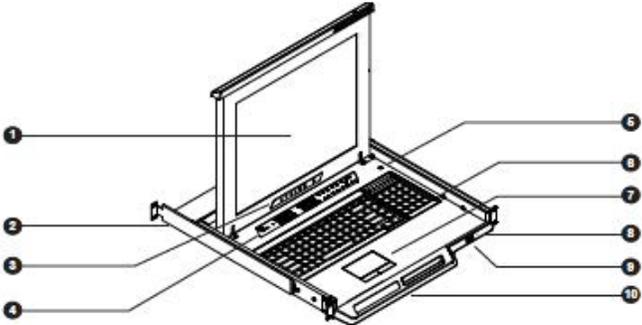
RackView Layout – All Models

RackView 17/19-inch TFT color LCD	RackView 20-inch TFT color LCD

For the 17/19-inch model:
① LCD interchangeable module kit
② Installation Slides
③ LCD membrane
④ Membrane switch (KVM option)
⑤ Micro switch for screen auto power off
⑥ Keyboard interchangeable module kit
⑦ Mouse interchangeable module kit
⑧ Blue Power LED
⑨ Front USB port for device access (USB Hub KVM only)
⑩ Molded front handle
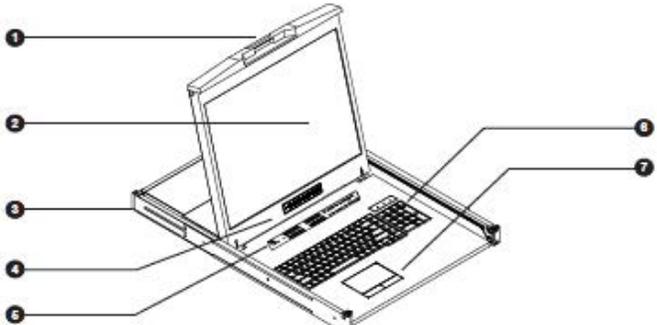
For the 20-inch model:
① Carry handle to release the 2-pt lock
② LCD interchangeable module kit
③ Installation Slides
④ LCD membrane
⑤ Membrane switch (KVM option)
⑥ Keyboard interchangeable module kit
⑦ Mouse interchangeable module kit

Figure 2. RackView product layout - key features

RackView Rear Panel Connector Layout

The RackView rear panel includes an HD15(KVM) and DVI-D connector as standard. The HD15(KVM) connector supports VGA video, and also the keyboard/mouse interface.
This diagram shows the approximate positioning of the connectors on the rear panel.

RackView 17 / 19 / 20-inch rear panel connector layout
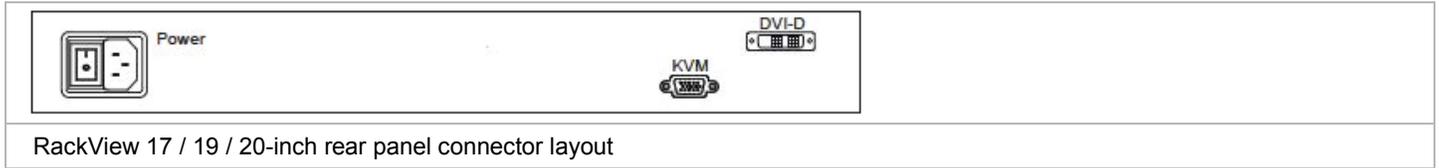
Figure 3. RackView rear panel connector layout

RackView Chassis Dimensions

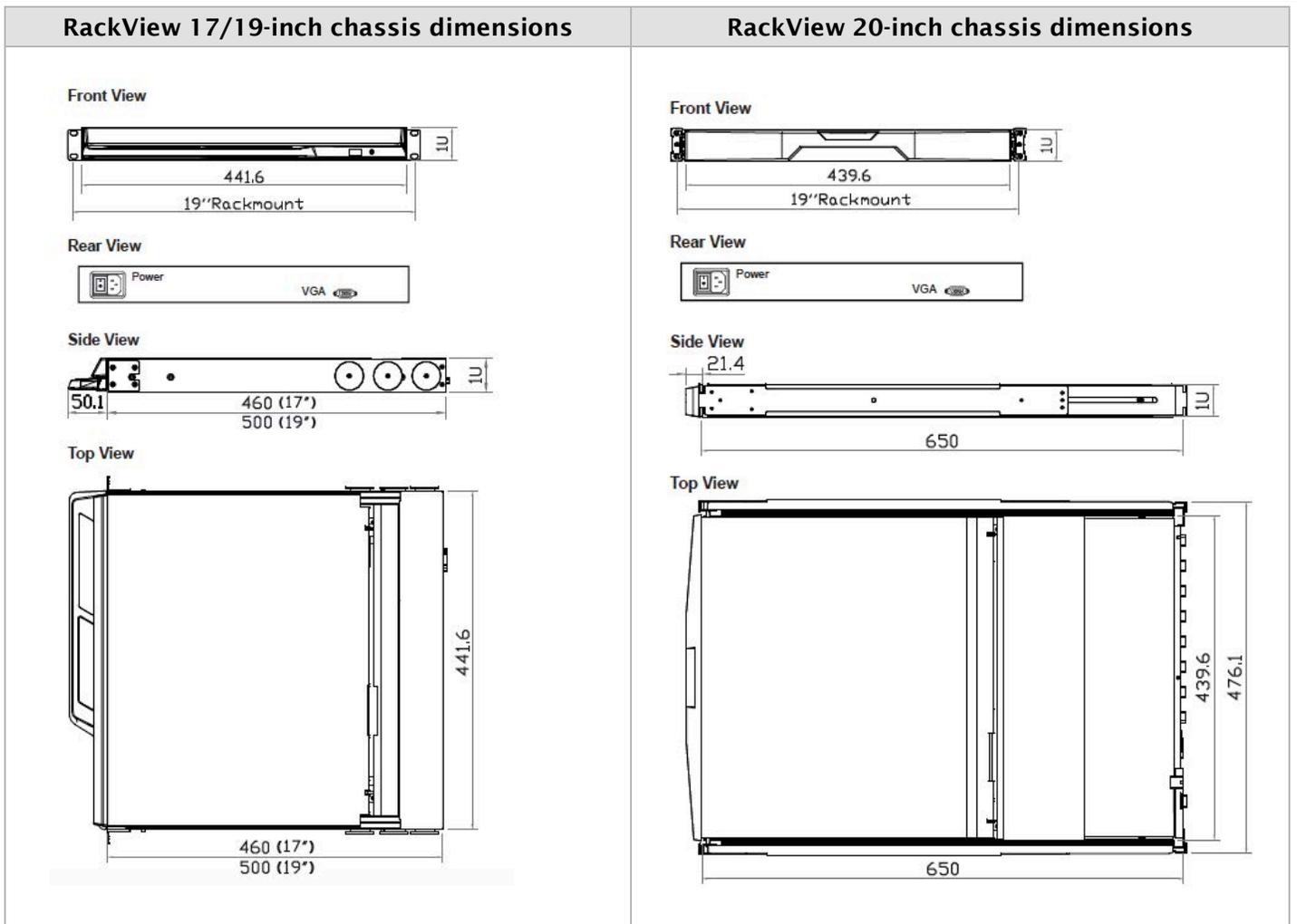| RackView 17/19-inch chassis dimensions	RackView 20-inch chassis dimensions

Figure 4. RackView chassis dimensions

INSTALLATION

Installation Procedure

Installation of the RackView 17/19-inch

	Step 1 Insert the Left and Right rear-mounting slides into the RackView Console Drawer
	Step 2 Measure the depth of the front and rear rack rails Align each rear-mounting slide to a suitable length (depth)
	Step 3 Complete the Installation Fix the RackView Console Drawer into the Rack A set of mounting accessories is provided
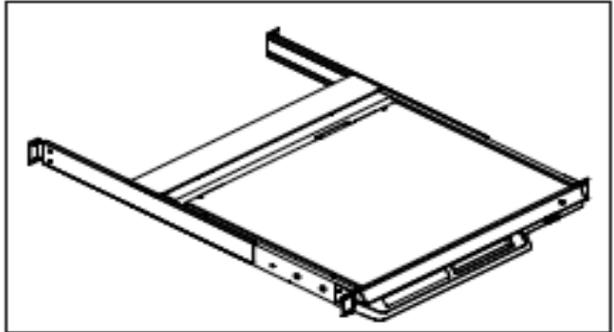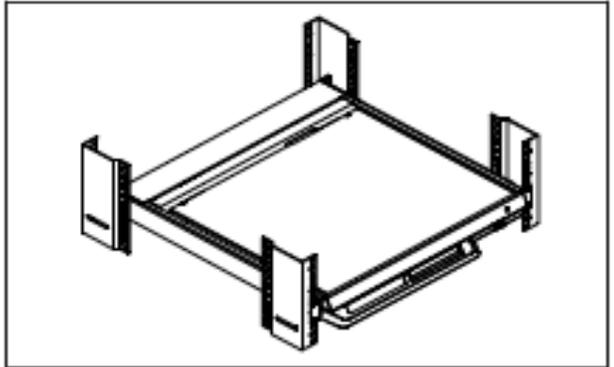
Figure 5. RackView 17/19-inch installation procedure

Installation of the RackView 20-inch

	STEP 1 Attach the left and right mounting bracket to the 19" mounting rails on the rack. Adjust the mounting bracket to fit your rack. M6 screw x 8 pcs included. Leave all M6 screws slightly loose, until you complete the installation in step #3
	STEP 2 Pick up the RackView LCD tray. Insert the RackView LCD tray into the mounting bracket. Pull and hold the left & right black arrow buttons on the rails. Return the RackView LCD tray to park position.
	Step 3 Fix the rear kit to the mounting bracket with M3.2 screw x 4pcs included.3 Failure to correctly complete this step will cause damage to the product.
	Step 4 Complete the installation Tighten all 8 pcs of M6 screw to complete the installation.
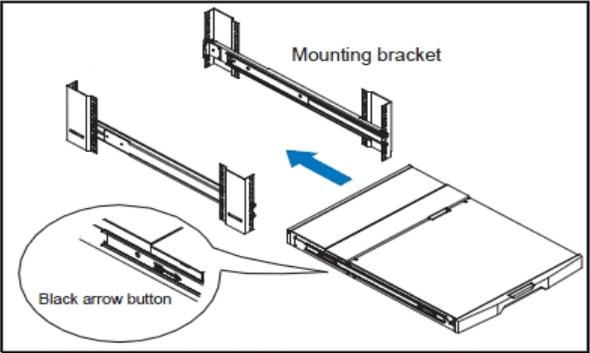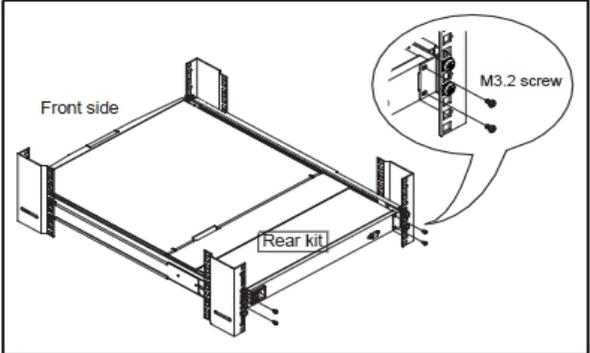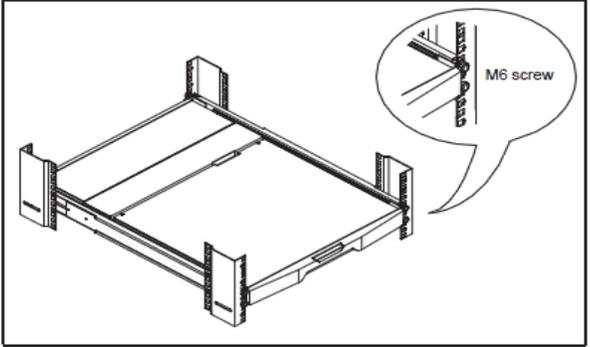
Figure 6. RackView 20-inch installation procedure

Operation of the RackView 17/19/20-inch models

	Step 1 Hold the handle and slide out the RackView drawer
	Step 2 Flip up the LCD to a suitable viewing angle
	Step 3 Operate the RackView Console Drawer

Figure 7. RackView operation

Cabling RackView to an External Device

Connection to a PS2 or USB Server
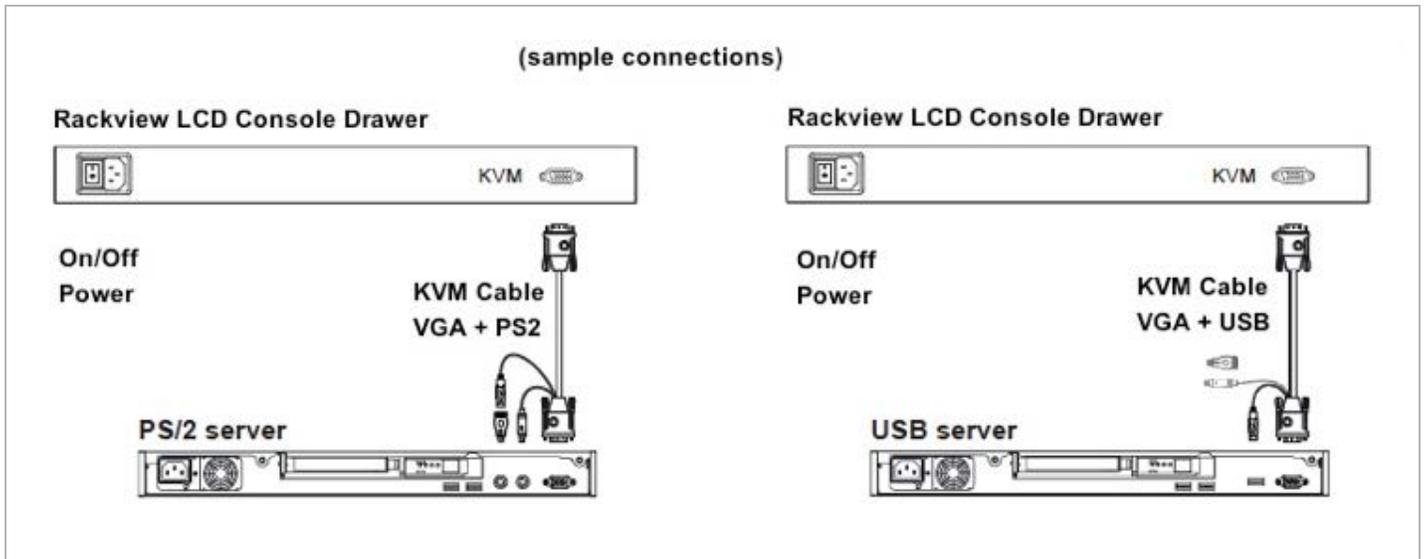
Connection to an External KVM Switch
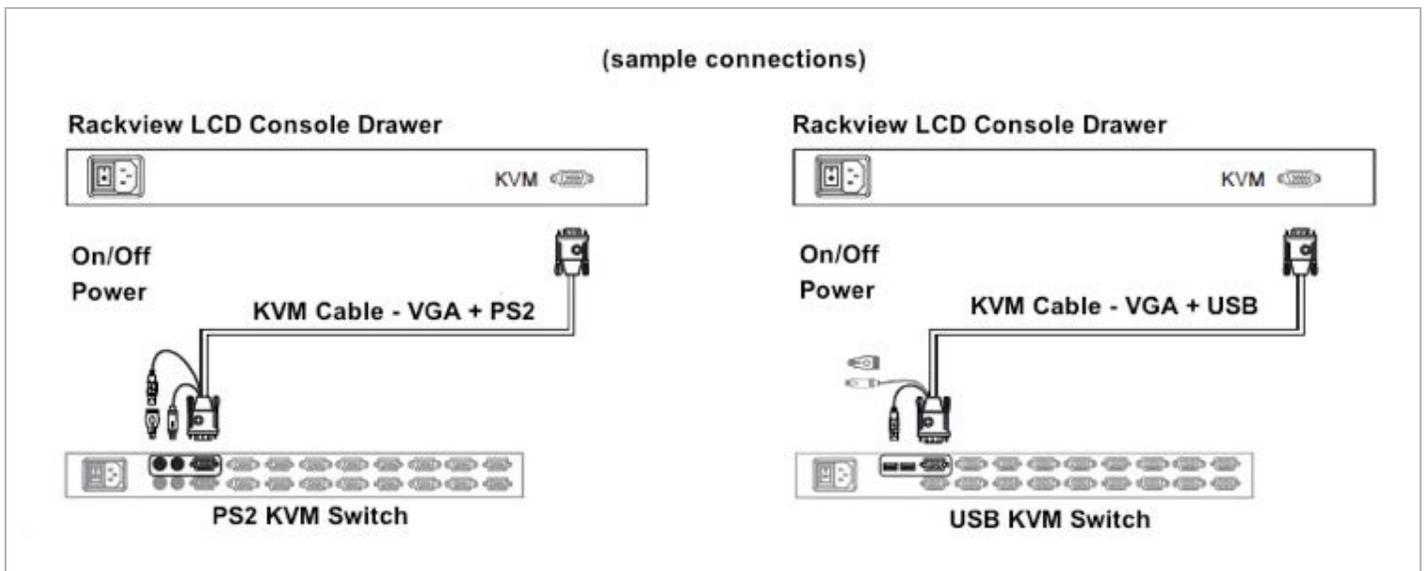
Figure 8. RackView cable connectivity

Note: Cabling options include either a VGA/USB, a VGA/PS2, or a DVI/USB cable.
Note: Please check cable details with your supplier.

Caution: The RackView KVM drawer is hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM switch are powered-on may cause irreversible damage to the servers, KVM and LCD console drawer. Before attempting to connect anything to the RackView KVM drawer, we suggest turning off the power to all devices. Apply power to connected devices only after the RackView KVM drawer has been powered-on. Rose Electronics is not responsible for any product damage or warranty claims caused in this way.

RackView Cables

There are 3 different combo connection cables available for RackView. The user should select one of these cables at time of order placement. These cables are used to connect the RackView to either a PC or an external KVM switch

Add either /K1, /K2 or /K3 onto the RackView part number

| K1: VGA + USB | K2: VGA + PS2 | K3: DVI + USB |

Figure 9. RackView device interface cables

RackView Operation

Power-On Procedure

- Power on the RackView (see power switch on back panel)
- Power on the KVM Switch or other connected product
- Power on the CPU

Video Input Select Button

- The RackView remembers the last valid video input selection, so if the CPU input has changed, the user needs to re-select the video input.
- Locate the "Video Input Select" button on the OSD display control panel
- Push the Video Input Select button to toggle between VGA and DVI Input
- Select the appropriate Video Input format (VGA or DVI)

OSD Selection

RackView 17/19-inch OSD Selection Panel	RackView 20-inch OSD Selection Panel

RackView 17/19-inch OSD Selection Panel
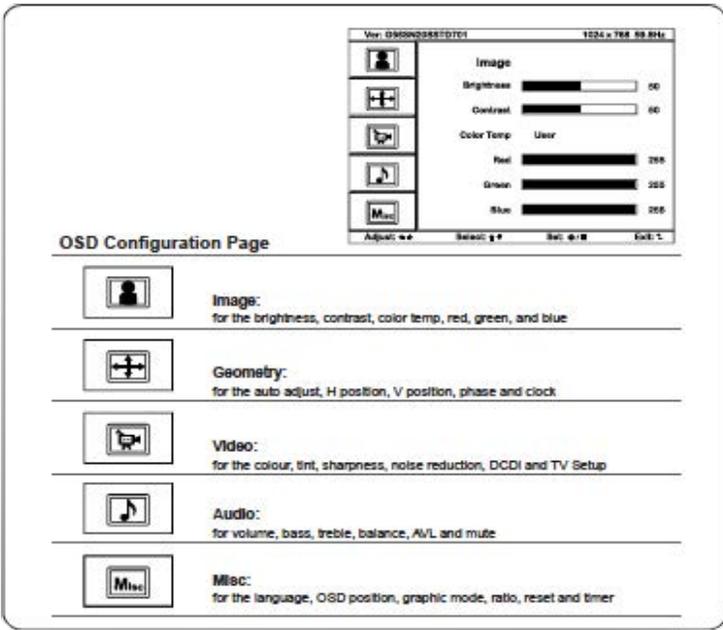
Membrane Switch	Function
⏻	Turn the monitor on or off
▦	Display the OSD menu Act as an Enter key to select screen setting options
∧ ∨ ◁ ▷	Scroll through menu options and adjust the displayed control
⤺	Exit the OSD screen Go back to the previous on-screen sub-menu or main menu

Remark : All LED touch buttons in **WHITE** light.
The LED of **Power** ⏻ touch button will flash continuously when there is no signal input.

① All the LED touch buttons will automatically turn off after 10 minutes of idle status (except the **Power** ⏻).

② Light up all membrane buttons, please press any button for 1 - 2 seconds (except the **Power** ⏻).

RackView 20-inch OSD Selection Panel

○ Power light
● Green = On
● Orange = Power saving

Membrane Switch	Function
⊖	Power on / off LCD
M	Display the OSD menu
⬆⬇⬅➡	Scrolls through menu options and adjusts the displayed control (To auto adjustment by pressing the button ⬍ for 5 seconds)
⤴	Exit the OSD screen Toggle analog, digital & video connection (DVI-D and video options only)

OSD Configuration

OSD Configuration Page

Image:
for the brightness, contrast, color temp, red, green, and blue

Geometry:
for the auto adjust, H position, V position, phase and clock

Video:
for the colour, tint, sharpness, noise reduction, DCDI and TV Setup

Audio:
for volume, bass, treble, balance, AVL and mute

Misc:
for the language, OSD position, graphic mode, ratio, reset and timer

Figure 10. RackView chassis mounting options

Troubleshooting

If the RackView KVM Drawer fails to synchronize correctly with the attached product (PC, Switch, Extender), and the monitor displays a distorted video pattern, press the screen power reset button once on the RackView keyboard tray to re-synchronize the video signal

PRODUCT SAFETY

Safety

The RackView KVM 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

Maintenance and Repair

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

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

 Web: 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

Description	RackView 17"	RackView 19"	RackView 20"
Drawer Dimensions	17.4 x 18.1 x 1.73" (441.6 x 460 x 44mm)	17.4 x 19.7 x 1.73" (441.6 x 500 x 44mm)	17.4 x 25.6 x 1.73" (442 x 650 x 44 mm)
Rail Depth	18.5-27.6" (470-700mm)	20.1-29.1" (510-740mm)	26-34.3" (660-870mm)
Weight	Net: 26.4lb (12Kg) Gross: 36.5lb (16.6kg)	Net: 27.9lb (12.7Kg) Gross: 38.1lb (17.3kg)	Net: 31.9lbs (14.5Kg) Gross: 48.4lbs (22kg)
Display Size	17" TFT color LCD	19" TFT color LCD	20.1" TFT color LCD
Max. Resolution	1280 x 1024, 60/75Hz	1280 x 1024, 60/75Hz	1600 x 1200, 60Hz
Brightness (cd/m²)	250	250	300
Color Support	16.7million	16.7million	16.7million
Contrast Ratio (typ.)	1000:1	1000:1	800:1
Viewing Angle (H/V)	170°x160° (85/85/80/80)	170°x160° (85/85/80/80)	178° x 178° 89/89/89/89
Dot Pitch	0.264mm	0.294mm	0.255mm
Display Area	337.92 (H) x 270.33 (V)	376.32 (H) x 301.05 (V)	408 (H) x 306 (V)
Response Time	5ms	5ms	16ms
LCD Panel MTBF	30,000 hours	30,000 hours	45,000 hours
Power Consumption	On 25W, saving mode 4W	On 25W, saving mode 4W	On 48W, saving mode 4W
Power Input	Auto-sensing 100 to 240VAC, 50/60Hz		
VGA Signal Input	Analog 0.7Vp-p		
DVI Signal	DVI-D, TMDS Single-Link (Optional HDMI Signal: HDMI1.2, CEA-861-D)		
Sync. Type (VGA)	Separate H/V, Composite, Sync-on-green		
Plug & Play DDC	DVI and VGA: VESA EDID 1.3		
Console Port	DVI-D for DVI video and VGA (HD15) for VGA video plus keyboard and mouse signals		
Compatibility	Multi-platform - Mix PCs, SUNs, IBMs, HPs and DELLs		
Operating Temp	0˚ to 55˚C Degree		
Storage Temp	-20˚ to 60 ˚C Degree		
Operating Humidity	Operating: 20~90%, non-condensing		
Shock	10G acceleration (11ms duration)		
Vibration	5~500Hz 1G RMS random vibration		
Regulation/Approvals	cUL, FCC, CE, CCC, REACH, RoHS2		
Options:			
Touchscreen Option	Capacitive and Resistive	Capacitive and Resistive	Nil
Video Display Options	HDMI, S-Video/BNC, SDI	HDMI, S-Video/BNC, SDI	HDMI, S-Video/BNC
USB2.0 Port	Yes, with USB Hub Switch	Yes, with USB Hub Switch	No
DC Power Options	12V, 24V, 48V, 125V, 250V with 2-wire terminal block		
Audio Option	3.5mm stereo jack with L/R Speakers. Speaker Power – 2*2W Resistance 30KΩ /2.8V. Impedance 30KΩ / 750mV		
Keyboard Option	/UK, /FR, /IT, /DN, /BE, /NO, /DE, /ES, /PO, /SI, /SD, /DA, /JP, /TW (add/nn)		

Table 1. Specifications

Appendix B — Part Numbers

Part Numbers	Description
RV1-CAKVT17/DVI /Kn	RackView 17" KVM Drawer, Touchpad Mouse, (for Kn, see cables below)
RV1-CAKVT19/DVI /Kn	RackView 19" KVM Drawer, Touchpad Mouse, (for Kn, see cables below)
RV1-CAKVT20/DVI /Kn	RackView 20" KVM Drawer, Touchpad Mouse, (for Kn, see cables below)
RackView Interface Cable: (only 1 cable is included – select with order). For above models only	
/K1: CAB-CMBVMUAC005	HD15 to HD15 + (1)USB-A. (VGA +USB)
/K2: CAB-CMBVM66C005	HD15 to HD15 + (2)PS2. (VGA +PS2)
/K3: CAB-CMBDVUAC005	DVI-D + HD15(M) to DVI-I + (1)USB-A (DVI + USB)
RackView CPU cables (different cable lengths)	
CAB-CMBVMUAC006	CPU Cable, 6ft (2.0m) cable, Combo HD15 to VGA/USB
CAB-CMBVMUAC010	CPU Cable, 10ft (3.0m) cable, Combo HD15 to VGA/USB
CAB-CMBVMUAC015	CPU Cable, 15ft (4.5m) cable, Combo HD15 to VGA/USB
CAB-CMBDVUAC006	CPU Cable, 6ft (2.0m) DVI-D+USB-A to DVI-D+USB-B, (for DVI Switch)
CAB-CMBDVUAC015	CPU Cable, 15ft (4.5m) DVI-D+USB-A to DVI-D+USB-B, (for DVI Switch)
RackView Options	
/HM	HDMI video audio option with speaker
/SD	3G/HD/SD-SDI video option (not available on RackView 20")
/AV	S-Video + Composite video option
/KM	Trackball 2-button mouse option
/nnnDC	12/24/48/125/250 DC power
/nn	/UK, /FR, /IT, /DN, /BE, /NO, /DE, /ES, /PO, /SI, /SD, /DA, /JP, /TW
RackView + KVM Switch (for RackView 17 and 19-inch models)	
RV1-CAKVT17/DVI-KVM-108CMB-K1	RackView 17" with 8-port VGA/USB KVM Switch + 8x VGA/USB 6ft cables
RV1-CAKVT17/DVI-KVM-116CMB-K1	RackView 17" with 16-port VGA/USB KVM Switch + 16x VGA/USB 6ft cables
RV1-CAKVT19/DVI-KVM-108CMB-K1	RackView 19" with 8-port VGA/USB KVM Switch + 8x VGA/USB 6ft cables
RV1-CAKVT19/DVI-KVM-116CMB-K1	RackView 19" with 16-port VGA/USB KVM Switch + 16x VGA/USB 6ft cables
RV1-CAKVT17/DVI-KVM-108CMH-K1	RackView 17" with 8-port VGA/USB KVM Switch + 8x VGA/USB 6ft cables, USB2.0
RV1-CAKVT17/DVI-KVM-116CMH-K1	RackView 17" with 16-port VGA/USB KVM Switch + 16x VGA/USB 6ft cables, USB2.0
RV1-CAKVT19/DVI-KVM-108CMH-K1	RackView 19" with 8-port VGA/USB KVM Switch + 8x VGA/USB 6ft cables, USB2.0
RV1-CAKVT19/DVI-KVM-116CMH-K1	RackView 19" with 16-port VGA/USB KVM Switch + 16x VGA/USB 6ft cables, USB2.0
RV1-CAKVT17/DVI-KVM-12TDVI-K1	RackView 17" with 12-port DVI/USB KVM Switch + 6x DVI/USB 6ft cables
RV1-CAKVT19/DVI-KVM-12TDVI-K1	RackView 19" with 12-port DVI/USB KVM Switch + 6x DVI/USB 6ft cables
RackView + KVM Switch (for RackView 20-inch model)	
RV1-CAKVT20/DVI-KVM-108CMB/Kn	RackView 20" with 8-port VGA/USB KVM Switch + 8x VGA/USB 6ft cables
RV1-CAKVT20/DVI-KVM-116CMB/Kn	RackView 20" with 16-port VGA/USB KVM Switch + 16x VGA/USB 6ft cables
RV1-CAKVT20/DVI-KVM-12TDVI/Kn	RackView 20" with 12-port DVI/USB KVM Switch + 6x DVI/USB 6ft cables

Table 2. Part numbers

Appendix C — RackView Dimensions

RackView Dimensions

Package Size and Weight

Model	Product Dimension (W × D × H) approx	Packing Dimension (W × D × H) approx	Net Weight	Gross Weight
RV1-CAKVT17/DVI/Kn	441.6 x 460 x 44 mm 17.4 x 18.1 x 1.73 inch	590 x 808 x 140 mm 23.2 x 31.8 x 5.5 inch	12 kg 26 lb	16.6 kg 36.5 lb
RV1-CAKVT19/DVI/Kn	441.6 x 500 x 44 mm 17.4 x 19.7 x 1.73 inch	590 x 808 x 140 mm 23.2 x 31.8 x 5.5 inch	12.7 kg 27.9 lb	17.3 kg 38.1 lb
RV1-CAKVT20/DVI/Kn	439.5 x 650 x 44 mm 17.3 x 25.6 x 1.73 inch	595 x 860 x 140 mm 23.4 x 33.9 x 5.5 inch	14.5 kg 31.9 lb	22 kg 48.4 lb

Table 3. RackView product and packaging dimensions

The above package content is only for the single RackView LCD models. The package size and weight varies with options such as KVM switch, KVM combo cables, HDMI, AV, SD, Touchscreen, and DC power, as below
Rack depth for the 17" model: changes to 17.4 x 20.9 x 1.73 inch (441.6 x 530 x 44mm)
Rack depth for the 19" model: changes to 17.4 x 22.4 x 1.73 inch (441.6 x 570 x 44mm)

Package Size and Weight with Internal KVM Switch

Model-with KVM Switch	Product Dimension (W × D × H) approx	Packing Dimension (W × D × H) approx	Net Weight	Gross Weight
RackView 17" with KVM	441.6 x 580 x 44 mm 17.4 x 22.8 x 1.73 inch	590 x 808 x 140 mm 23.2 x 31.8 x 5.5 inch	13 kg 28.6 lb	19 kg 41.8 lb
RackView 19" with KVM	441.6 x 620 x 44 mm 17.4 x 24.4 x 1.73 inch	590 x 808 x 140 mm 23.2 x 31.8 x 5.5 inch	13.7 kg 30.1 lb	19.7 kg 43.3 lb
RackView 20" with KVM	439.6 x 650 x 140 mm 17.3 x 25.6 x 1.73 inch	595 x 860 x 140 mm 23.4 x 33.9 x 5.5 inch	15.5 kg 34.1 lb	23.4 kg 51.5 lb

Table 4. RackView product and packaging dimensions (including a KVM switch)

Appendix D — RackView with Integrated KVM Switch

RackView Option with Integrated KVM Switch
The RackView KVM Drawer models can be supplied with an integrated KVM switch mounted at the rear of the RackView unit, in a compact 1U package
The available switch options are:

KVM Switch Description	RackView 17"	RackView 19"	RackView 20"
KVM-108CMB	Yes	Yes	Yes
KVM-116CMB	Yes	Yes	Yes
KVM-108CMH	Yes	Yes	No
KVM-116CMH	Yes	Yes	No
KVM-12TDVI	Yes	Yes	Yes

Table 5. RackView + KVM switch – selection table

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 combo cables (VGA/USB or DVI/USB) from the rear panel of the switch to the host PC/Servers.
The user can then use the RackView keyboard to select and operate the attached PC's/Servers.

KVM Switch Models – Rear Panel View

The power supply on some models may be changed to12VDC external power when the KVM switch is integrated into the RackView chassis. An interface cable (/Kn) is not required with an integrated KVM switch.
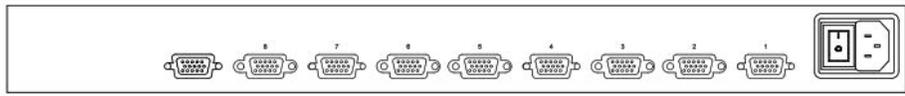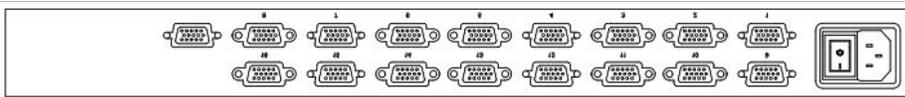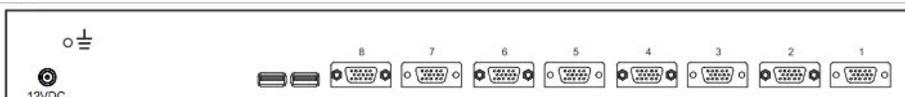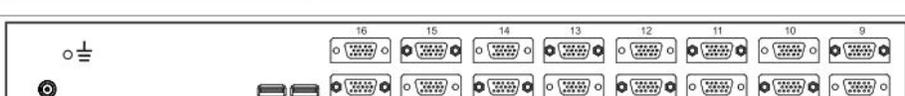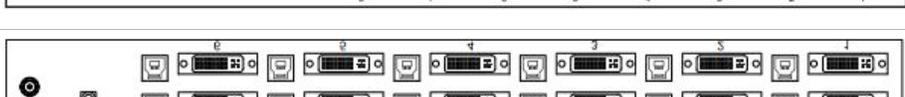
	KVM-108CMB 8-port KVM Switch VGA/USB + Cascade Port
	KVM-116CMB 16-port KVM Switch VGA/USB + Cascade Port
	KVM-108CMH 8-port KVM Switch VGA/USB + USB2.0 2-port Hub
	KVM-116CMH 16-port KVM Switch VGA/USB + USB2.0 2-port Hub
	KVM-12TDVI 12-port KVM Switch DVI/USB/Audio

Table 6. RackView integrated KVM switch models

Appendix E — RackView with Touchscreen

The 17" and 19" RackView KVM Drawers can be ordered with optional touchscreen support. The touchscreen can be either Resistive or Capacitive type. Touchscreen is not available on the 20" model.

RackView Touchscreen Options

Features	Resistive Touchscreen		Capacitive Touchscreen	
	17"	19"	17"	19"
Technology	5-Wire Resistive		Capacitive	
Touch Point	Single		Single	
Method	Stylus or Finger		Finger	
Activation Force	≤ 50g / Stylus=R0.8		≤ 50g	
Durability	35 million touches		300 million touches	
Response Time	15ms		20ms	
Optical Transmittance	80% ± 3%		93% ± 2%	
Surface Hardness	3H		9H	
Haze	8% ± 3%		7%	
Connector	USB Type A		USB Type A	
Compatibility	Windows 7 / XP / Vista, Linux		Windows 7 / XP / Vista, Linux	
Glass	1.4 ±0.2 mm	3.2 ±0.2 mm	2.8 mm ±10%	2.8 mm ±10%

Table 7. Touchscreen options

Appendix F — RackView Video Options

RackView Video Option with HDMI or S-Video/BNC Video Interface

The RackView KVM Drawers can be ordered with optional HDMI or S-Video/BNC interface in place of the DVI video interface. The diagram below shows the approximate positioning of these video connectors on the back panel.
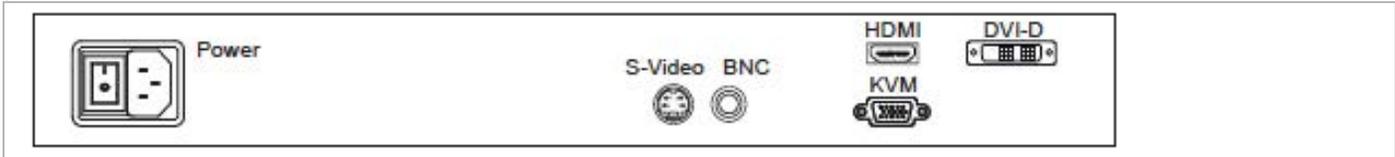

Figure 11. RackView with HDMI and S-Video/BNC video options

RackView Video Option with 3G/HD/SD-SDI Video Interface (not for 20" model)

The RackView 3G/HD/SD-SDI video option is an ideal solution for the broadcast grade video and high resolution CCTV market. The optional SDI input module can support up to 1080p@60Hz and comes with the full range of HDMI, DVI-D, VGA, S-Video, BNC, and audio inputs.
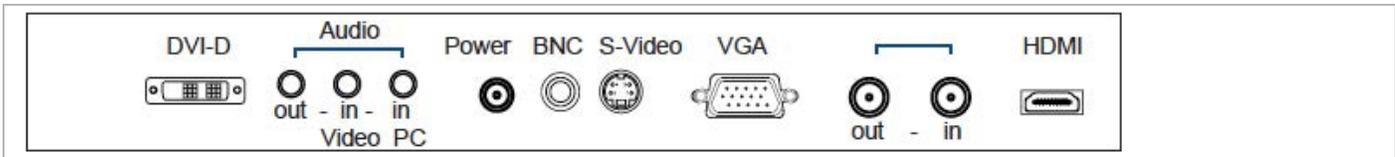

Figure 12. RackView with 3G/HD/SD-SDI video option

Video Formats (3G/HD/SD-SDI)

Description	Video Signal	Resolution/Refresh Rate/Signal
Input	3G-SDI In	BNC x 1 / 0.8Vp-p (75 ohm)
	3G-SDI Out	BNC x 1 / Active through, equalized & relocked
Standard Compliance	Video	SMPTE 425M / 274M / 296M / 125M ITU-R BT.656
	Audio	SMPTE 299M / 272M-C
Compatible Video Format	3G-SDI	1080p@60 / 50Hz, 4:2:2 1080p@30 / 25 / 24Hz, 4:4:4 1080i@60 / 50Hz, 4:4:4 720p@60 / 50Hz, 4:4:4
	HD-SDI	1080p@30 / 25 / 24Hz, 4:2:2 1080i@60 / 50Hz, 4:2:2 720p@60 / 50Hz, 4:2:2
	SG-SDI	480i @60Hz, 4:2:2
	ITU-R BT.656	576i @50Hz, 4:2:2
Compatible Audio Format	3G-SDI	48kHz, 16 / 20 / 24-bit, 2 CH, Synchronized Video
	HD-SDI	48kHz, 16 / 20 / 24-bit, 2 CH, Synchronized Video
	SG-SDI	48kHz, 16 / 20 / 24-bit, 2 CH, Synchronized / Asynchronized Video
Max transmission distance 75 ohm coaxial cable	3G-SDI	150m at 2.97Gb/s
	HD-SDI	250m at 1.485Gb/s
	SG-SDI	480m at 270Mb/s

Table 8. 3G/HD/SD-SDI video formats

Video Formats (DVI-D and VGA)

DVI-D / VGA Input	PC Signal	Resolution/Refresh Rate
Applies to 20" model only	Applies to 20" model only	1600 x 1200 x 60Hz
Applies to 20" model only	Applies to 20" model only	1400 x 1050 x 60Hz
Applies to 20" model only	Applies to 20" model only	1440 x 900 x 60Hz
Applies to 20" model only	Applies to 20" model only	1360 x 768 x 60Hz
		1280 x 1024 x 60Hz / 75Hz
		1280 x 960 x 60Hz
		1280 x 768 x 60Hz / 75Hz
		1152 x 864 x 75Hz
		1024 x 768 x 60Hz / 70Hz / 75Hz
		848 x 480 x 60Hz
		800 x 600 x 60Hz / 72Hz / 75Hz
		720 x 400 x 70Hz
		640 x 480 x 60Hz / 72Hz / 75Hz
		640 x 400 x 70Hz
		640 x 350 x 70Hz
HDMI Input	PC Signal	Same as VGA
	Video Signal	720p : 50 Hz / 60Hz
		480p : 60 Hz
		576p : 50 Hz
	Audio Signal	2 ch Linear PCM (32 / 44.1/48 KHz)
	Speaker	Dual stereo speaker, 2x2W

Table 9. DVI-D and VGA video formats

Appendix G — RackView DC Power Options

RackView DC Power

The RackView KVM Drawers can be ordered with optional DC power input as specified in the table below.
Select the DC voltage required, then add the voltage to the RackView part number as /nnnDC
For example, adding 48VDC to a RackView 17" would result in **RV1-CAKVT17/DVI/Kn/48DC** part number.

Figure 13. RackView with DC power connector fitted

Model	12V	24V	48V	125V	250V
Input rating					
Input voltage:	12-Volt	24-Volt	48-Volt	110-Volt	300-Volt
Input range:	9 ~ 18V	18 ~ 36V	36 ~ 75V	66 ~ 160V	180 ~ 425V
Input current					
- No load	50 mA	50 mA	50 mA	35 mA	10 mA
- Full load	4950 mA	2450 mA	1220 mA	749 mA	600 mA
Output rating					
Output voltage:	12-Volt	12-Volt	12-Volt	12-Volt	12-Volt
Output current:	4.16A	4.16A	4.16A	6.25A	12.5A
Efficiency	84%	85%	85%	91%	86%

Table 10 RackView DC power options

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

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