

# Rackview LCD Panel Mount Monitor

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## INSTALLATION AND OPERATIONS MANUAL



**Rackview LCD Panel Mount 17"**  
**Rackview LCD Panel Mount 19"**  
**Rackview LCD Panel Mount 20"**

**Rackview LCD Widescreen Panel Mount 17" (1080p)**  
**Rackview LCD Widescreen Panel Mount 17" (1920 x 1200)**  
**Rackview LCD Widescreen Panel Mount 19"**



## LIMITED WARRANTY

Rose Electronics warrants the Rackview Product to be in good working order for one year from the date of purchase from Rose Electronics. 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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Rose Electronics Part # MAN-RVP-LCDAnn  
Printed In the United States of America – Revision 1.0

## Table of Contents

Safety Instructions	Page 5
Pre-Installation and Package Contents	Page 6
Rackview Layout Diagram and Dimensions	Page 7-9
Installation	Page 10-11
OSD (On-Screen Display Control Panel) Operation	Page 12-13
PIP and PBP	Page 14-15
Product Options	Page 16-17
Video Format	Page 18
Specifications	Page 19
Product Codes	Page 19
Technical Support	Page 20

## Safety Instructions

**Please read all of these instructions carefully before you use the device. Save this manual for future reference.**

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40° Celsius (104° Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing damage to other equipment or injury to persons nearby.
- When the equipment is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labeled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent it being damaged by transient overvoltage.
- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could damage the equipment and invalidate its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

### **Regulatory Notices Federal Communications Commission (FCC)**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-position or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

# Pre-Installation and Package Contents

## 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.

## Unpacking:

The equipment comes with the standard parts shown in package content. Check and make sure they are included and in good condition. If anything is missing, or damaged, contact your supplier immediately.

## Package Contents:

1x Rackview LCD Panel Mount Unit  
1x Power Cord  
1x User Manual  
1x set of screws and washers for assembly

## Product Operation:

### a) Power On Procedure

- Power on the Rackview LCD Monitor (see power switch on back panel)
- Power on the CPU

### b) Video Input Select Button (see OSD Section, Page 12)

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)



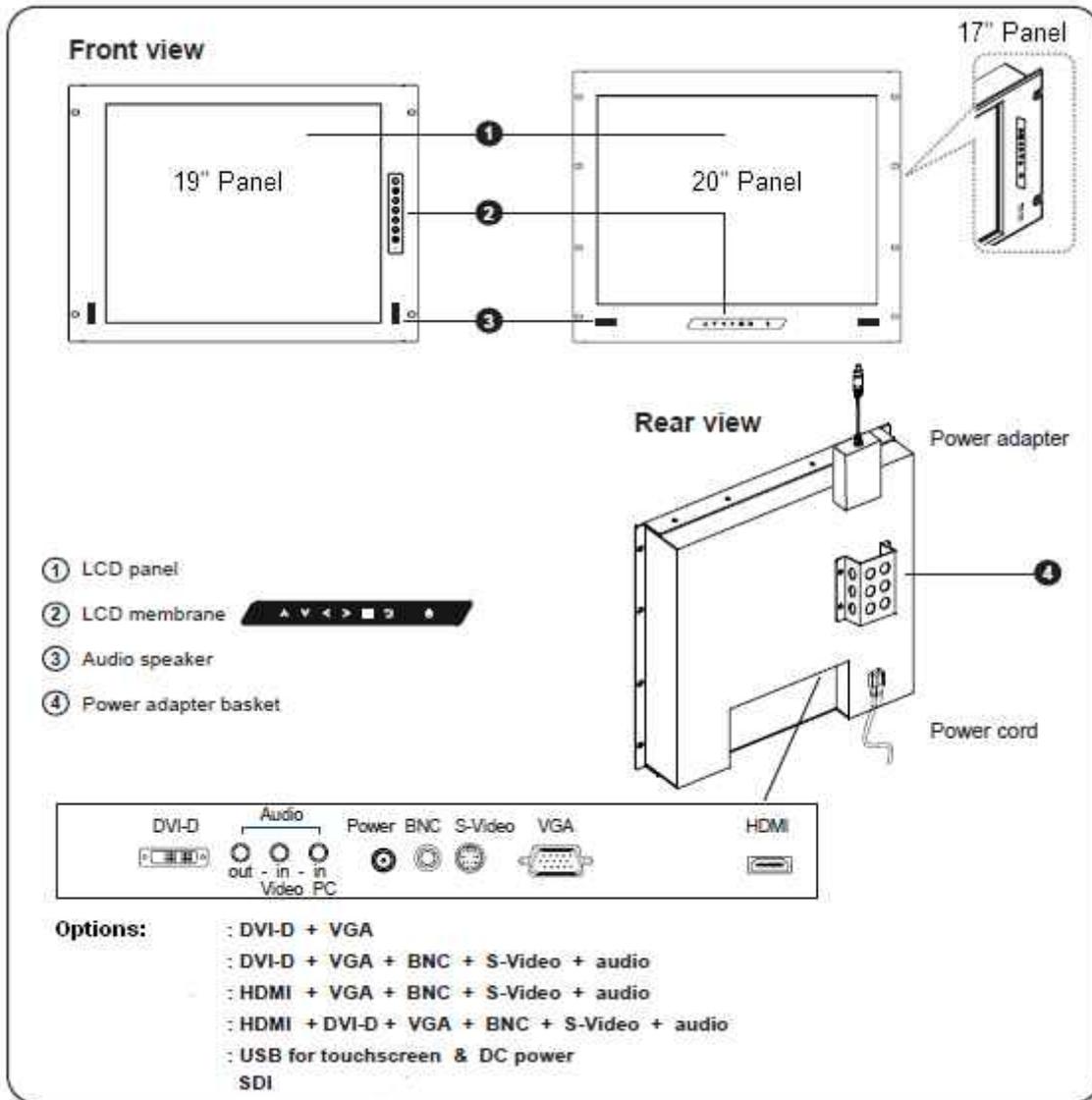
### c) Cleaning Your Monitor

To clean your LCD safely, please follow these steps:

- Disconnect the power cord.
- Gently wipe the surface using a clean, dry microfiber cloth. Use as little pressure as possible.
- Use only screen cleaning products designed for use with LCD monitors.

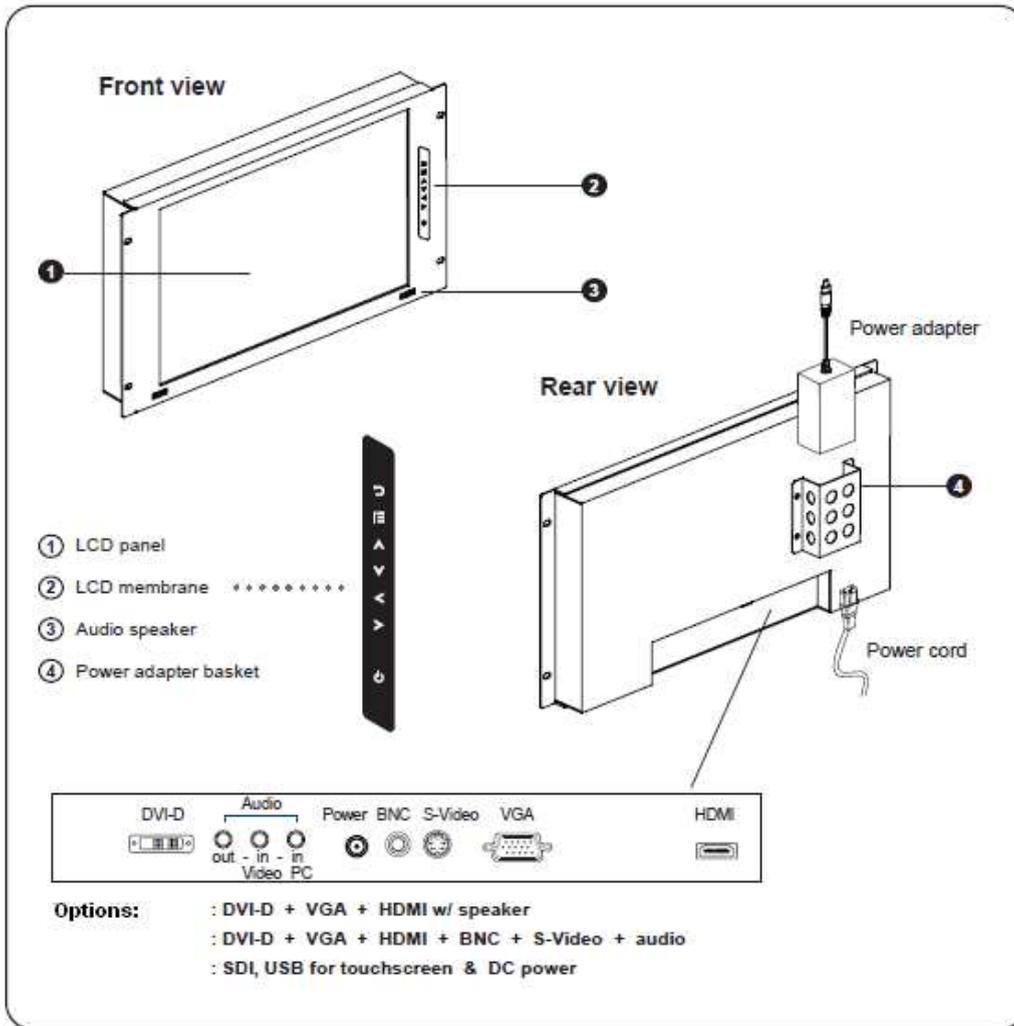
# Rackview LCD Panel Mount - Layout Diagram & Dimensions

## Rackview 17", 19" and 20" Standard models



Layout for Rackview LCD Panel Mount (17", 19", 20") including all Options.

## Rackview 17" and 19" Widescreen models



Layout for Rackview LCD (Widescreen) Panel Mount (17", 19") including all Options.

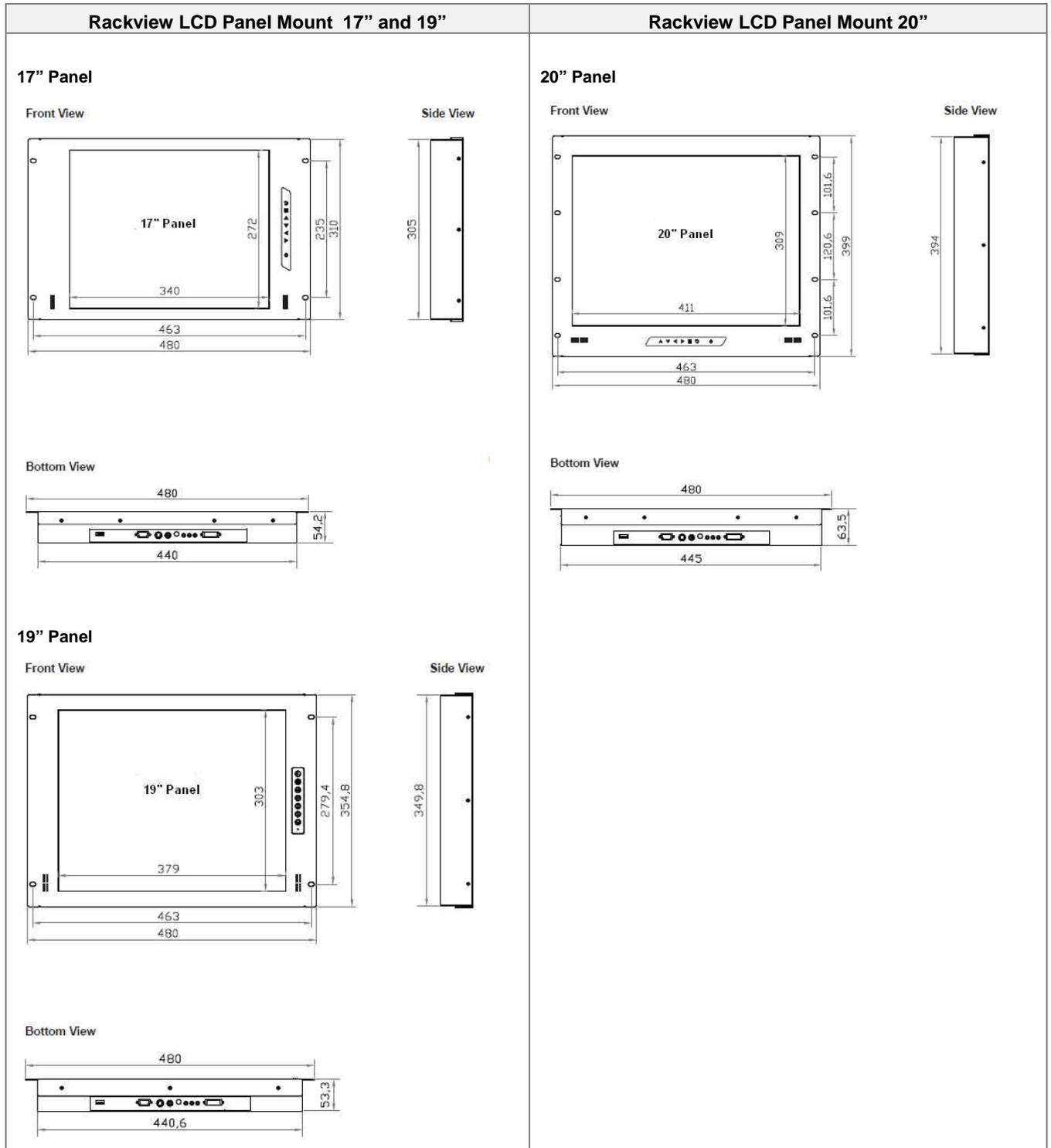
Model	Product Dimension (W x D x H) approx	Packing Dimension (W x D x H) approx	Net Weight	Gross Weight
RVP-LCDA17	480 x 54.2 x 310 mm 18.9 x 2.1 x 12.2 inch	529 x 124 x 495 mm 20.8 x 4.9 x 19.5 inch	6 kg 13 lb	8.5 kg 19 lb
RVP-LCDA19	480 x 53.3 x 355 mm 18.9 x 2.1 x 14 inch	539 x 129 x 529 mm 21.2 x 5.1 x 20.8 inch	6.5 kg 14 lb	9 kg 20 lb
RVP-LCDA20	480 x 63.5 x 399 mm 18.9 x 2.5 x 15.7 inch	583 x 124 x 529 mm 23 x 4.9 x 20.8 inch	13.5 kg 30 lb	17.5 kg 39 lb
RVP-LCDA17/DWS/HD	480 x 48 x 266 mm 18.9 x 1.9 x 10.5 inch	529 x 124 x 451 mm 20.8 x 4.9 x 17.8 inch	4.5kg 9.9 lb	6 kg 13.2lb
RVP-LCDA17/FHD	480 x 48 x 266 mm 18.9 x 1.9 x 10.5 inch	529 x 124 x 451 mm 20.8 x 4.9 x 17.8 inch	4.2 kg 9.2 lb	6.2 kg 13.6 lb
RVP-LCDA19/DWS	480 x 58 x 310 mm 18.9 x 2.3 x 12.2 inch	529 x 124 x 495 mm 20.8 x 4.9 x 19.5 inch	4.5 kg 9.9 lb	6 kg 13.2 lb

The package weight can vary with accessories included

# Rackview LCD Panel Mount Dimensions

Unit: mm

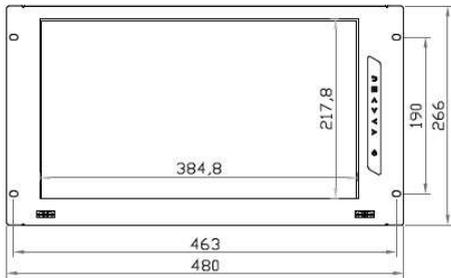
1mm = 0.03937 inch



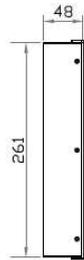
**Rackview LCD Widescreen Panel 17"**

**17" Widescreen (1080p) Panel**

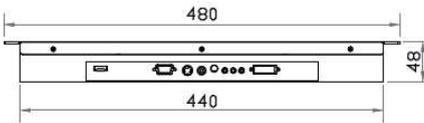
Front View



Side View

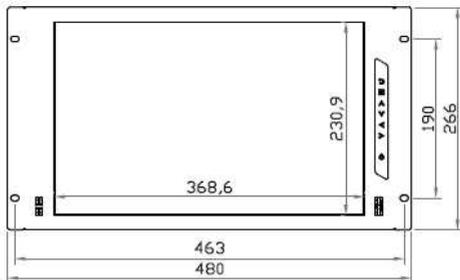


Bottom View

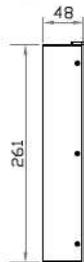


**17" Widescreen (1920 x 1200) Panel**

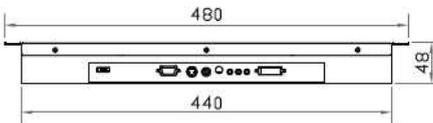
Front View



Side View



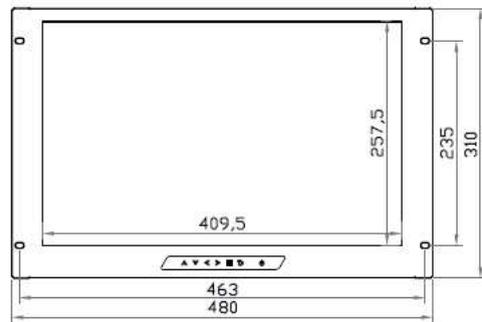
Bottom View



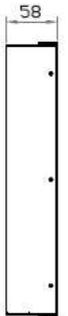
**Rackview LCD Widescreen Panel 19"**

**19" Widescreen Panel**

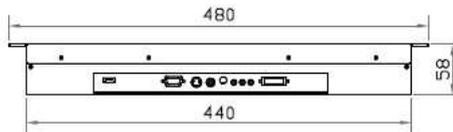
Front View



Side View

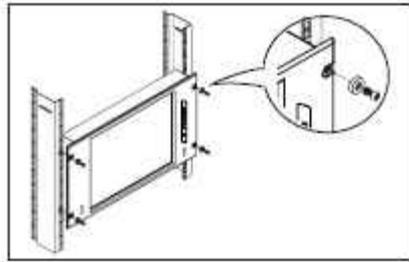


Bottom View



# Installation of Rackview LCD Panel Mount

Standard and Widescreen models - 17" and 19"



## STEP 1

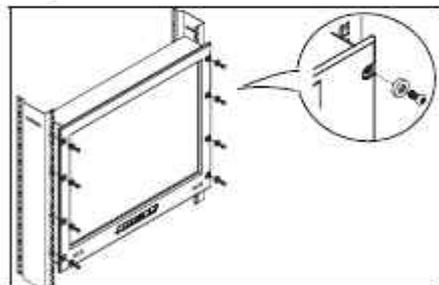
Use 4 screws to install the LCD Panel Mount



## STEP 2

Secure the LCD Panel Mount in the Rack

Standard 20" Model



## STEP 1

Use 8 screws to install the LCD Panel Mount



## STEP 2

Secure the LCD Panel Mount in the Rack

# On-Screen Display Operation ( OSD )

## Rackview LCD Panel Mount 17", 19" and 20" models and 19" Widescreen model



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 and Input Select Button 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 ).



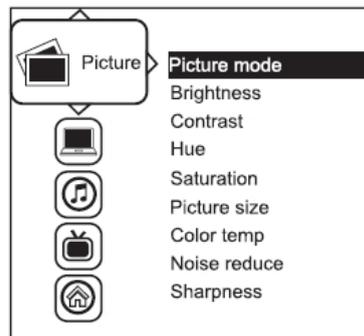
### OSD Configuration Page

	<b>Image:</b> for the brightness, contrast, color temp, red, green, and blue
	<b>Geometry:</b> for the auto adjust, H position, V position, phase and clock
	<b>Video:</b> for the colour, tint, sharpness, noise reduction, DCDi and TV Setup
	<b>Audio:</b> for volume, bass, treble, balance, AVL and mute
	<b>Misc:</b> for the language, OSD position, graphic mode, ratio, reset and timer

## Rackview LCD Panel Mount 17" Widescreen models only

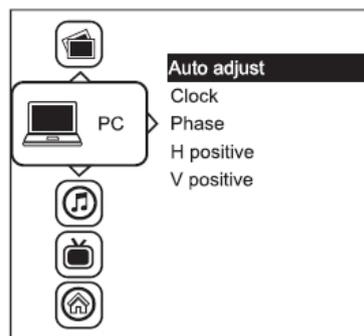
### ① Picture

Picture mode :	Standard / Vivid / Soft / User mode to choose
Brightness :	Adjust background black level of the screen image
Contrast :	Adjust the difference between the image background (black level) and the foreground (white level)
Hue :	Adjust the screen hue value
Saturation :	Adjust the saturation of the image color
Picture size :	Adjust the image size
Color temp :	Standard / Cool / Warm / User to choose
Noise reduce :	Reduce the noise of the image
Sharpness :	Adjust the image from weak to sharp



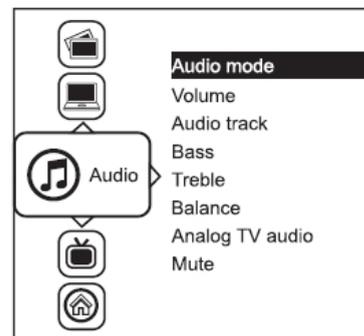
### ② PC

Auto adjust :	Automatically adjust sizes, centers and fine tunes the video signal to eliminate waviness and distortion.
Clock :	Adjust the clock value
Phase :	Adjust the phase value
H. Position :	Align the screen image left or right
V. Position :	Align the screen image up or down



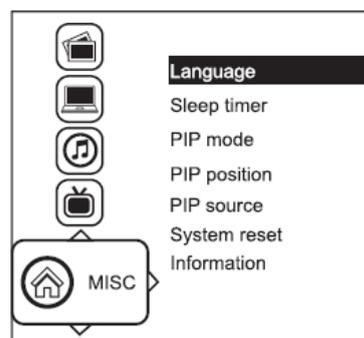
### ③ Audio

Audio mode :	Movie / Voice / Normal / Music mode to choose
Volume :	Adjust the volume of sound
Bass :	Set the value of bass sound
Treble :	Set the value of treble sound
Balance :	Set the balance value of treble and bass sound
Analog TV audio :	Set the value of analog TV audio sound
Mute :	Turn off the surrounding sound



### ④ MISC

Language :	Select the language in which the OSD menu is displayed - English
Sleep timer :	Set the off time
PIP mode :	Adjust picture in picture setting
PIP position :	Enter into PIP position
PIP source :	Enter into the Sub source and sound source
System reset :	Return the adjustment back to factory setting
Information :	Select for Help



# Picture In Picture and Picture By Picture Modes (PIP and PBP)

## Rackview LCD Panel Mount 17" Widescreen models only

### 1. Picture-In-Picture (PIP)

#### Mode

Display the Sub screen in the Main screen.

OSD Menu → MISC → PIP Mode → Large / Small / OFF



#### Position

Adjust the position of the Sub screen ( top left, bottom left, top right, bottom right )

OSD Menu → MISC → PIP Position → top left / top right / bottom left / bottom right



top left



top right



bottom left



bottom right

### 2. Screen Size

Note, the Rackview 17"/DWS/HD supports up to 1920x1080p.

The Rackview 17"/FHD supports up to 1920 x 1200

#### Size

Adjust the size of the Sub screen ( Large / Small )

OSD Menu → MISC → PIP Mode → Large / Small

#### Size of Sub screen

LCD Monitor	Large Sub screen	Small Sub screen
1920 x 1200	552 x 414	480 x 360
1920 x 1080	552 x 414	480 x 360
1440 x 900	414 x 310	360 x 270
1366 x 768	392 x 294	340 x 254
1280 x 1024	368 x 276	320 x 240

### 3. Picture-By-Picture (PBP)

#### Mode

Display the Sub screen next to the Main screen.  
 OSD Menu → MISC → PIP Mode → PBP



#### Size

LCD Monitor	Main / Sub screen
1920 x 1200	955 x 716
1920 x 1080	955 x 716
1440 x 900	715 x 536
1366 x 768	678 x 508
1280 x 1024	635 x 476

### 4. PIP / PBP Source

To select an input signal for PIP / PBP Sub screen.

OSD Menu → MISC → PIP Source → VGA / S-Video / Composite / DVI / HDMI / SDI / YPbPr / TV

The PIP / PBP is operable in the following table :

Main \ Sub	VGA	S-Video	Composite	DVI-D	HDMI	SDI	YPbPr	TV
VGA	X	O	O	O	O	O	O	O
S-Video	O	X	X	O	O	O	O	X
Composite	O	X	X	O	O	O	O	X
DVI	O	O	O	X	X	O	O	O
HDMI	O	O	O	X	X	O	O	O
SDI	O	O	O	O	O	X	X	O
YPbPr	O	O	O	O	O	X	X	O
TV	O	X	X	O	O	O	O	X

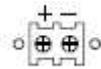
## Options for Rackview LCD Panel Mount, Standard 17", 19", 20" and Widescreen 17", 19" models

- a) **HDMI** - HDMI 1.1, CEA-861-D
- b) **Audio** - 3.5mm analog audio jacks, 2W +speakers
- c) **AV** - S-Video + Composite, BNC
- d) **3G/SDI** - 3G/HD/SDI video



Back panel of the Rackview LCD Panel Mount showing standard and optional connectors.

- e) **DC Power**



Model	12V	24V	48V
<b>Input rating</b>			
Input voltage:	12-Volt	24-Volt	48-Volt
Input range:	9 ~ 18V	18 ~ 36V	36 ~ 75V
Input current			
- No load	50 mA	50 mA	50 mA
- Full load	4950 mA	2450 mA	1220 mA
<b>Output rating</b>			
Output voltage:	12-Volt	12-Volt	12-Volt
Output current:	4.16A	4.16A	4.16A
Efficiency	84%	85%	85%

## Touchscreen Options

### a) Resistive and Capacitive Touchscreens

Standard 17" and 19" models

Widescreen High Res 17" and Widescreen 19" models only

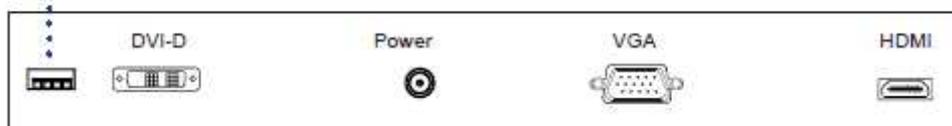
Model	17"		19"	
		TRB	e-Resistive	TCB
Technology	5-Wire Resistive		Capacitive	
Touch Point	Single		Single	
Method	Stylus or Finger		Finger	
Activation Force	≤ 50g / Stylus=R0.8		≤ 50g	
Durability	35 million touches		300 million touches	
Response Time	15 ms		20 ms	
Optical Transmittance	80% ± 3%		93%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

### b) Resistive Touchscreens

Standard 20" Model and Widescreen 17" (1080p) models only

Model	TRB e-Resistive
Technology	5-Wire Resistive
Touch Point	Single
Method	Stylus or Finger
Activation Force	≤ 50g / Stylus=R0.8
Durability	10 million touches
Response Time	15 ms
Optical Transmittance	80% ± 3%
Surface Hardness	3H
Haze	8% ± 3%
Glass	2.2 ± 0.2 mm
Connector	USB Type A
Compatibility	Windows 7 / XP / Vista, Linux

#### USB Touchscreen



Back panel of Rackview LCD Panel Mount, showing the location of the Touchscreen connector.

Note: A bundled software setup disc is included with this option.

Please check with Rose Electronics for pricing and availability of these options.

## Video Format

### Rackview LCD Standard Panel Mount 17", 19", 20"

DVI-D / VGA Input	Rackview LCD Panel Mount, 17" and 19" Resolution/Refresh Rate	Rackview LCD Panel Mount 20" Resolution/Refresh Rate
	---	1600 x 1200 x 60Hz
	---	1440 x 1050 x 60Hz
	---	1440 x 900 x 60Hz
	---	1360 x 768 x 60Hz
	1280 x 1024 x 60Hz / 75Hz	1280 x 1024 x 60Hz / 75Hz
	1280 x 960 x 60Hz	1280 x 960 x 60Hz
	1280 x 760 x 60Hz / 75Hz	1280 x 760 x 60Hz / 75Hz
	1152 x 864 x 75Hz	1152 x 864 x 75Hz
	1024 x 768 x 60Hz / 70Hz / 75Hz	1024 x 768 x 60Hz / 70Hz / 75Hz
	848 x 480 x 60Hz	848 x 480 x 60Hz
	800 x 600 x 60Hz / 72Hz / 75Hz	800 x 600 x 60Hz / 72Hz / 75Hz
	720 x 400 x 70Hz	720 x 400 x 70Hz
	640 x 480 x 60Hz / 72Hz / 75Hz	640 x 480 x 60Hz / 72Hz / 75Hz
	640 x 400 x 70Hz	640 x 400 x 70Hz
	640 x 350 x 70Hz	640 x 350 x 70Hz

### Rackview LCD Widescreen Panel Mount 17" and 19"

DVI-D / VGA Input	LCD Panel Mount, 17" (1080p) Resolution/Refresh Rate	LCD Panel, 17" (1920 x 1200) Resolution/Refresh Rate	LCD Panel, 19" (1440 x 900) Resolution/Refresh Rate
	---	1920 x 1200 x 60Hz	---
	1920 X 1080 X 60Hz	---	---
	---	---	1440 x 900 x 60Hz
	1360 x 768 x 60Hz	1360 x 768 x 60Hz	---
	1280 x 1024 x 60Hz / 75Hz	1280 x 1024 x 60Hz / 75Hz	1280 x 1024 x 60Hz / 75Hz
	1280 x 960 x 60Hz	1280 x 960 x 60Hz	1280 x 960 x 60Hz
	1280 x 760 x 60Hz / 75Hz	1280 x 760 x 60Hz / 75Hz	1280 x 760 x 60Hz / 75Hz
	1152 x 864 x 75Hz	1152 x 864 x 75Hz	1152 x 864 x 75Hz
	1024 x 768 x 60Hz / 70Hz / 75Hz	1024 x 768 x 60Hz / 70Hz / 75Hz	1024 x 768 x 60Hz / 70Hz / 75Hz
	848 x 480 x 60Hz	848 x 480 x 60Hz	848 x 480 x 60Hz
	800 x 600 x 60Hz / 72Hz / 75Hz	800 x 600 x 60Hz / 72Hz / 75Hz	800 x 600 x 60Hz / 72Hz / 75Hz
	720 x 400 x 70Hz	720 x 400 x 70Hz	720 x 400 x 70Hz
	640 x 480 x 60Hz / 72Hz / 75Hz	640 x 480 x 60Hz / 72Hz / 75Hz	640 x 480 x 60Hz / 72Hz / 75Hz
	640 x 400 x 70Hz	640 x 400 x 70Hz	640 x 400 x 70Hz
	640 x 350 x 70Hz	640 x 350 x 70Hz	640 x 350 x 70Hz
<b>HDMI (PC Signal)</b>	Same as VGA	Same as VGA	Same as VGA
	1080p x 60Hz	1080p x 60Hz	1080p x 60Hz
	720p x 50/60Hz	720p x 50/60Hz	720p x 50/60Hz
	480p x 60Hz	480p x 60Hz	480p x 60Hz
	576p x 50Hz	576p x 50Hz	576p x 50Hz
<b>Audio Signal</b>	2ch Linear PCM (32/44.1/48Khz)	2ch Linear PCM (32/44.1/48Khz)	2ch Linear PCM (32/44.1/48Khz)

## Rackview LCD Panel Mount - Specifications

Rackview LCD Panel Mount ("U" Space)	17" Panel 7U	17" WS Panel 6U	17" HD Panel 6U	19" Panel 8U	19" WS Panel 7U	20" Panel 9U
<b>Dimensions (in)</b> <b>W x H x D (mm)</b>	18.9 x 12.2 x 2.1 480 x 310 x 54	18.9 x 10.5 x 1.9 480 x 266 x 48	18.9 x 10.5 x 1.9 480 x 266 x 48	18.9 x 14 x 2.1 480 x 355 x 53	18.9 x 12.2 x 2.3 480 x 310 x 58	19 x 15.7 x 2.3 480 x 399 x 63
<b>Weight</b>	14lbs (6.5kg)	9.9lbs (4.5kg)	9.2lbs (4.2kg)	15lbs (7kg)	9.9lbs (4.5kg)	18.5lbs (8.4kg)
<b>Size</b>	17" TFT	17.3" Wide TFT	17.1" Wide TFT	19" TFT	19" Wide TFT	20.1" TFT
<b>Resolution</b>	1280x1024	1920 x 1080p	1920 x 1200 HD	1280 x 1024	1440 x 900	1600 x 1200
<b>Refresh Rate</b>	60/75Hz	60 Hz	60Hz	60/75Hz	60/Hz	60Hz
<b>Brightness (cd/m2)</b>	250	300	210	250	250	250
<b>Backlight</b>	CCFL	LED	LED	LED	LED	CCFL
<b>Colors</b>	16.7M	1.07 B (10 Bit)	16.7M (8 bit)	16.7M	16.7M	16.7M
<b>Contrast Ratio</b>	1000:1	600:1	600:1	1000:1	1000:1	800:1
<b>Viewing Angle H/V</b>	160° x 160°	178° x 178°	130° x 110°	170° x 160°	160° x 160°	178° x 178°
<b>Active Area (mm)</b>	338 x 270	382 x 215	367 x 230	376 x 301	408 x 255	408 x 306
<b>Screen Surface</b>	Haze 25%. Hard	Anti-Glare. Hard	Anti-Glare. Hard	Haze 25%. Hard	Haze 25%. Hard	Anti-Glare.Hard
<b>Response Time - ms</b>	5	35	30	5	5	16
<b>PIP function</b>	No	Yes	Yes	No	No	No
<b>Touchscreen - USB</b>	Yes (Cap + Res)	Yes (Res only)	Yes (Cap + Res)	Yes (Cap + Res)	Yes (Cap + Res)	Yes (Res only)
<b>Video Signal</b>	VGA (Analog 0.7Vp-p). DVI-D (TMDS single Link)					
<b>Shock</b>	10G acceleration (11ms duration)					
<b>Vibration</b>	5~500Hz 1G RMS random vibration					
<b>Audio (Option)</b>	3.5mm with L/R Speakers. Impedance 30KΩ / 750mV. Speaker Power – 2*2W					
<b>AC Power</b>	100-240VAC, 50/60HZ					
<b>Consumption (W)</b>	Max 25/Idle 5	Max 34/Idle 5	Max 34/Idle 5	Max 25/Idle 5	Max 25/Idle 5	Max 48/Idle 5
<b>Environmental</b>	Operating Temp 32°F–122°F / 0°C–50°C Storage Temp 23°F–140°F / -5°C–60°C Reltv Humidity 5–90% non-condensing					
<b>Approvals</b>	FCC, CE, RoHS2, Reach					

### Part Numbers

<b>RVP-LCDA17</b>	17" LCD Monitor
<b>RVP-LCDA19</b>	19" LCD Monitor
<b>RVP-LCDA20</b>	20" LCD Monitor
<b>RVP-LCDA17/DWS/HD</b>	17" LCD Monitor/Widescreen (1080p)
<b>RVP-LCDA17/FHD</b>	17" LCD Monitor/Full HD
<b>RVP-LCDA19/WS</b>	19" LCD Monitor/Widescreen

### Optional Items: (check with Rose Electronics for pricing and availability)

- HDMI Interface
- Audio Option
- AV - S-Video Composite, BNC
- 3G/HD/SDI
- Touchscreen - Resistive Panel (All models)
- Touchscreen - Capacitive Panel (Standard 17", 19" and Widescreen High Res + Widescreen 19" models only)
- DC Voltage Option (12/24/48VDC)

## Technical Support

If you are experiencing problems, or need assistance in setting up, configuring or operating your product, consult the appropriate sections 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.



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