



- ▶ Rackmountable LCD display panels
- ▶ Available in 17", 19", 20", 21", 23" and 24" models with widescreen, HD, and touchscreen formats
- ▶ Resolutions from 1280×1024 to 3840×2160
- ▶ PIP screen format is available on 17"HD, 21", 24" and 4K display models
- ▶ DVI-D and VGA video input resolutions
- ▶ On-screen menu for easy adjustments
- ▶ HDMI, SDI, S-Video, audio, USB touchscreen and DC power options

## Features and Benefits

- Select between available 17", 19", 20", 21", 23" and 24" display panels, including many optional extras.
- The 17" and 23" 4K LCD display panels feature a DisplayPort 1.2 video interface with resolutions up to 3840×2160
- The 17" widescreen LCD panel supports 1920×1080 (1080p) and the 17" high-res version supports 1920×1200.
- The display OSD allows for easy adjustments of video source, color, brightness, contrast, position. The OSD is easily accessible and controlled via front panel push buttons.
- PIP (Picture in Picture) mode is supported on the 1920×1200 and 3840×2160 models when dual video options are installed.
- Quick and easy "One Man" rack mounting installation.
- Multi-Screen Control software enables PC control of the OSD from multiple LCD panels
- The RackView LCD panel – available models

LCD 17" display	LCD 17" widescreen HD
LCD 19" display	LCD 17" high resolution
LCD 20" display	LCD 19" widescreen
LCD 21" widescreen	LCD 24" widescreen
LCD 17" 4K display	LCD 23" 4K display

## Product Overview

RackView LCD panel displays are supplied in rack-mountable black steel chassis, with hardened glass screens. The displays can be mounted at any height in a standard 19" rack. Choose from standard 17", 19" and 20" models, or 17", 19", 21", and 24" widescreen models, or 4K display at 17" and 23".

The RackView LCD panel is controlled by using a push-button panel mounted at the bottom of the face plate. OSD control options include contrast, brightness, picture size, sharpness, clock, phase. H/V and auto-adjust settings.

Connect the RackView LCD panel direct to a PC or a video source using either the VGA or DVI-D interface. Optional video interfaces include HDMI, 3G/HD/SDI, S-Video and DisplayPort for the 4K model.

All RackView LCD panels have an optional USB touchscreen. Some RackView LCD panels have resistive or capacitive touchscreens, and others are resistive only.

The flicker-free LCD ensures crisp images with clear definition and wide viewing angles at high resolutions. For safe and secure operation, choose from our MIL spec or cable locking connectors for video, USB and power interface.

## Typical Application



**Installation** The RackView LCD panel is very easy to install. Simply select a convenient rack mounting position and secure the LCD panel to the front of your rack frame.

**Front panel** The RackView's front panel has a push button LCD display controller to scroll through and adjust the OSD menu options.

**Display** The high resolution, static free, LCD color display provides maximum clarity with resolutions from 1280×1024 to 3840×2160.

**Rear panel cable connectors** Standard rear panel connectors include one VGA and one DVI-D video with other video connectors available as options. A DisplayPort connector is provided on the 4K model. A 6ft (2.0m) cable is supplied to connect the video signal to your host computer or video source.

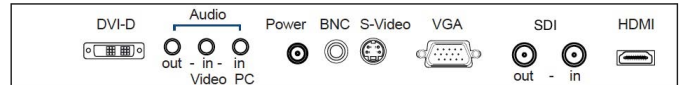


## RackView LCD back panel connections

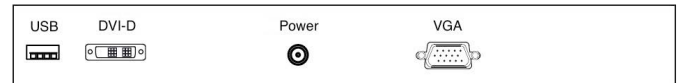
Examples showing the placement of connectors on the RackView LCD back panel. Note that not all connectors are always included.



Standard back panel connector placement



Back panel SDI video connector placement



Back panel with USB touchscreen option

## Part Numbers

<b>RVR-LCDA17</b>	17" LCD Panel 1280×1024
<b>RVR-LCDA17-4K</b>	17" LCD Panel 4K, 3840×2160
<b>RVR-LCDA17/DWS/HD</b>	17" LCD Panel Widescreen, 1080p
<b>RVR-LCDA17/FHD</b>	17" LCD Panel Full HD, 1920×1200
<b>RVR-LCDA19</b>	19" LCD Panel 1280×1024
<b>RVR-LCDA19/WS</b>	19" LCD Panel/Widescreen 1440×900
<b>RVR-LCDA20</b>	20" LCD Panel Widescreen, 1600×1200
<b>RVR-LCDA21</b>	21" LCD Panel Widescreen, 1920×1080
<b>RVR-LCDA24</b>	24" LCD Panel Widescreen, 1920×1200
<b>RVR-LCDA23-4K</b>	23" LCD Panel 4K Widescreen, 3840×2160

### RackView LCD Panel Options

<b>/TSR</b>	Resistive USB Touchscreen
<b>/TSC</b>	Capacitive USB Touchscreen
<b>/HM</b>	HDMI video with speakers
<b>/AV</b>	S-Video+Composite with audio
<b>/SD</b>	3G/HD/SD-SDI video
<b>/MCS</b>	Multi-Screen Control Software
<b>/MIL</b>	MIL connector (power and VGA)
<b>/LOCK</b>	Lockable connector (power and USB)
<b>/nnnDC</b>	12/24/48/125/250V DC power
<b>/K4</b>	VGA Cable, M/M 6ft (2.0m)
<b>/K5</b>	DVI Cable, M/M 6ft (2.0m)
<b>/K6</b>	DisplayPort Cable, M/M 6ft (2.0m)
<b>/K7</b>	HDMI Cable, M/M 6ft (2.0m)

For the 3G/SDI and S-Video/BNC cable options, please contact Rose Electronics.

# Specifications

RackView LCD Panel	17" LCD (7U)	17" Wide LCD (6U)	17" HI-RES LCD (6U)	19" LCD (8U)	19" Wide LCD (7U)	20" LCD (9U)
Dimensions (inch)	18.9 x 12.2 x 2.1	18.9 x 10.5 x 1.9	18.9 x 10.5 x 1.9	18.9 x 11.4 x 2.1	18.9 x 12.2 x 2.3	18.9 x 15.7 x 2.5
W x D x H (mm)	480 x 310 x 54	480 x 266 x 48	480 x 266 x 48	480 x 355 x 54	480 x 310 x 58	480 x 399 x 63.5
Weight	13.4lb (6.1kg)	9.8lbs (4.5kg)	9.2lbs (4.2kg)	12.5lb (5.7kg)	12.8lbs (5.8kg)	18.7lbs (8.5kg)
Size	17" TFT	17.3" TFT	17.1" TFT	19" TFT	19" Wide TFT	20.1" TFT
Video Connectors	DVI-D and VGA	DVI-D and VGA	DVI-D and VGA	DVI-D and VGA	DVI-D and VGA	DVI-D and VGA
Video (optional)	HDMI 1.2, 3G/SDI, S-Video (BNC)	HDMI 1.3, 3G/SDI, S-Video (BNC)	HDMI 1.3, 3G/SDI, S-Video (BNC)	HDMI 1.2, 3G/SDI, S-Video (BNC)	HDMI 1.2, 3G/SDI, S-Video (BNC)	HDMI 1.2, 3G/SDI, S-Video (BNC)
Resolution	1280 x 1024	1920 x 1080p	1920 x 1200 HD	1280 x 1024	1440 x 900	1600 x 1200
Brightness (cd/m2)	250	400	210	250	300	300
Backlight Type	LED	LED	LED	LED	CCFL	CCFL
Colors	16.7M	16.7M, 8 Bit	16.7M, 8-bit	16.7M	16.7M	16.7M
Contrast Ratio	1000:1	600:1	600:1	1000:1	1000:1	800:1
Viewing Angle L/R/U/D	85/85/80/80	80/80/60/80	65/65/55/55	85/85/80/80	80/80/80/80	89/89/89/89
Display Area H/V	338 x 270mm	382 x 215mm	367 x 230mm	376 x 301mm	408 x 255mm	408 x 306mm
Screen Surface	Haze 25%. Hard	Anti-glare. Hard	Anti-glare. Hard	Haze 25%. Hard	Haze 25%. Hard	Anti-glare. Hard
Response Time	5ms	40ms	30ms	5ms	5ms	16ms
Dot Pitch (mm)	0.264	0.1989	0.191	0.294	0.2835	0.255
MTBF (hours)	30,000	50,000	20,000	30,000	50,000	45,000
PIP function	No	No	Yes	No	No	No
Touchscreen-USB	Yes (Cap or Res)	Yes (Res only)	Yes (Cap or Res)	Yes (Cap or Res)	Yes (Cap or Res)	Yes (Res only)
Consumption (Watts)	Max 25 / Idle 4	Max 25 / Idle 4	Max 34 / Idle 4	Max 25 / Idle 4	Max 25 / Idle 4	Max 48 / Idle 4
AC Power	100-240VAC, 50/60HZ					
DC Power (option)	12V / 24V / 48V / 125V / 250V terminal block					
Video Signal	VGA (Analog 0.7Vp-p). DVI-D (TMDS single link)					
Shock / Vibration	Shock: 10G acceleration (11ms duration). Vibration: 10~300Hz 0.5G RMS random vibration					
Audio (option)	2 x 3.5mm with L/R Speakers. Impedance 30KΩ / 750mV. (HDMI / DisplayPort Model) Speaker Power – 2*2W					
Temperature	Operating Temperature: 32°F to 131°F / 0°C to 55°C Storage Temperature: -4°F to 140°F / -20°C to 60°C					
Relative Humidity	Operating humidity: 20 to 90% non-condensing. Storage humidity: 5 to 90% non-condensing					
Approvals	FCC, CE, RoHS2, Reach					

## RackView 4K Video and Large-Screen Displays

RackView LCD Panel	17" 4K Display (6U)	23" 4K Display (9U)	21" FHD Display (8U)	24" WUXGA Display (9U)
Dimensions (inch)	18.9 x 10.5 x 1.9	21.7 x 15.2 x 2.6	19.8 x 13.9 x 2.5	21.8 x 15.2 x 2.8
W x D x H (mm)	480 x 266 x 48	551 x 385 x 65	502 x 353 x 64	553 x 385 x 70
Weight	9.2lbs (4.2kg)	19.4lbs (8.6kg)	19.4lbs (8.6kg)	25.1lbs (11.4kg)
Size	17.3" TFT	23.8" TFT	21.5" TFT	24.1" TFT
Video Connectors	DisplayPort 1.2	DisplayPort 1.2	DVI-D and VGA	DVI-D and VGA
Video (optional)	HDMI 2.0, 3G/SDI,	HDMI 2.0, 3G/SDI,	HDMI 1.3, 3G/SDI, S-Video-BNC	HDMI 1.3, 3G/SDI
Resolution	3840 x 2160	3840 x 2160	1920 x 1080	1920 x 1200
Brightness (cd/m2)	400	310	250	300
Backlight Type	LED	LED	LED	LED
Colors	16.7M, 8-bit	1.07 billion, 10-bit	16.7M	16.7M
Contrast Ratio	1000:1	1000:1	1000:1	1000:1
Viewing Angle	89/89/89/89	89/89/89/89	85/85/80/80	89/89/89/89
Display Area H/V	382 x 215mm	527 x 296mm	477 x 268mm	518 x 324mm
Screen Surface	Anti-glare 3H	Anti-glare 3H	Haze 25%, Hard, 3H	Anti-glare, Hard, 3H
Response Time	30ms	25ms	5ms	14ms
Dot Pitch (mm)	0.0995	0.13725	0.248	0.27
MTBF (hours)	20,000	30,000	30,000	30,000
PIP function	Yes	Yes	Yes	Yes
Touchscreen-USB	Yes (Cap or Res)	Yes (Cap or Res)	Yes (Cap or Res)	Yes (Resistive only)
Consumption (Watts)	Max 29 / Idle 9	Max 45 / Idle 9	Max 32 / Idle 9	Max 40 / Idle 5
AC Power	100-240VAC, 50/60HZ			
DC Power (option)	12V / 24V / 48V / 125V / 250V terminal block			
Video Signal	VGA (Analog 0.7Vp-p). DVI-D (TMDS single link)			
Shock / Vibration	Shock: 10G acceleration (11ms duration). Vibration: 5~500Hz 1G RMS random vibration			
Audio (option)	2 x 3.5mm with L/R Speakers. Impedance 30KΩ / 750mV. (HDMI / DisplayPort Model) Speaker Power – 2*2W			
Temperature	Operating Temperature: 32°F to 131°F / 0°C to 55°C Storage Temperature: -4°F to 140°F / -20°C to 60°C			
Relative Humidity	Operating humidity: 20 to 90% non-condensing. Storage humidity: 5 to 90% non-condensing			
Approvals	FCC, CE, RoHS2, Reach			

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