

RACK MOUNT HINGE™ / RACK MOUNT HINGE SOLAR™

Industrial-/Military-Grade, Low Profile Rack Mount, Standard/High Brightness, Flip-Up/Flip-Down LCD Monitors



Mounted to solid bearing rack slides, the **RACK MOUNT HINGE** easily glides in and out of your rack chassis. Custom hinges built into the slides permit the LCD to slide out from the chassis and pivot 90 degrees for normal operation (factory configured to pivot either up or down). Fully extended, the LCD monitor requires only 6.375" of operator space in front of the rack chassis, leaving the workplace devoid of hazards and the operator unencumbered to perform his or her duties. Occupying a minimal amount of vertical rack space (1.75"-3.50"), the Rack Mount Hinge can be conveniently located within your rack to optimize its ergonomic performance.

The enclosure is constructed of aluminum, providing a cost-effective, lightweight housing that can be used in most industrial and military applications. A pair of chassis slides facilitate rack mounting and ease of operation. Interface connectors for the video and input power are located on the lower rear portion of the device.

The Rack Mount Hinge monitors feature flat panel LCD display sizes from 15" to 20" (diagonal). Regardless of the display size selected, all offer the latest advances in LCD technology, providing users with high brightness/contrast images, fast response time (suitable for live video), and wide viewing angles.

General Digital also offers a multitude of optional 1U and 2U keyboards (commercial, industrial and military) to complement the Rack Mount Hinge. Since the keyboard functions independently of the display, it can be located at a different height than the monitor to further optimize ergonomic performance.

General Digital offers a variety of power supply options including our own PS-1U-1275-PFC device, which mounts behind the Rack Mount Hinge without requiring additional vertical rack space. The RH-20U features a built-in 100 watt power-factor-corrected power supply. Other options include vandal shields, touch screens, EMI filters, and much more.

Please feel welcome to contact a Sales Engineer for a no obligation consultation, or visit www.GDdisplaysystems.com.



RH-20U in operating position, shown with optional speakers

QUICK LOOK

ENCLOSURE

- » Rugged, All-Metal Construction Designed to Satisfy Industrial and Military Requirements: MIL-STD-810F, -901D, -167B, -461E
- » Low Profile to Use Minimal Vertical Rack Space when Stowed
- » Hinged Slides Allow LCD Monitor to Pivot 90° (Upwards or Downwards) to Optimize Viewing Position
- » Conserves Operator Workspace By Extending Out Only 6.375" from Rack when Deployed

DISPLAY

- » 15"/17"/19"/20" Diagonal Active Matrix TFT LCD Display
- » XGA (1024 x 768 pixels) to UXGA (1600 x 1200 pixels) Resolution
- » Wide Viewing Angle (Horizontal & Vertical)
- » High Brightness & Contrast Enhances Display Quality
- » Fast Response Time Ideal for Real-Time and Video Applications

VIDEO CONTROLLER

- » Support for Interlaced and Non-Interlaced Video Sources
- » Support for Separate, Composite, Sync-On-Green & DVI-D Standards
- » Support for NTSC, SECAM, PAL Video with Input Format of Composite Video, S-Video and Component Video (YCrCb) [Optional]
- » Resolutions to 1920 x 1200 @ 60 Hz; Sub-resolutions to 75 Hz
- » Intuitive On-screen Menus for Display Calibration and User's Control
- » Advanced Imaging Features
 - Auto Adjust; Brightness/Contrast/Color Adjustments; Image Expansion & Rotation; Image Zoom; PIP; PBP; Foreign Languages...
- » Piezo Ceramic Inverter (RH-20U Only)
 - No EMI; Arc Protection; Longer Lamp Life (~50%); Open Circuit Protection Prevents Backlight Failure Due to Individual Bulb Failure

POWER

- » +12 VDC Operation
- » Low Power Consumption (<50 Watts)
- » Built-in 100 Watt Power-Factor-Corrected Supply (RH-20U)

OPTIONS

- » NVIS-Compatible Displays Compliant with MIL-STD-3009
- » Sunlight Readable Displays and Other Optical Enhancements
- » Separate 1U Power Supply that Mounts to Rear of Rack in Same Vertical Rack Space
- » Separate Rack Mountable Keyboards (Commercial-, Industrial-, Military-Grade)
- » Support for DVI-D Video, HDMI Video, NTSC Video (Composite)
- » Speakers (RH-20U Only)
- » Protective Glass Display Overlay
- » Capacitive and Resistive Touch Screens

Designed and Manufactured in the U.S.A.

DISPLAY

	Size (Diagonal)	Viewing Area (W x H)	Resolution (Pixels)	Number of Colors	Luminance (0° Max.)	Contrast (Max.)	Response Time (Rise/Decay)	Horizontal Viewing Angle	Vertical Viewing Angle	Shock [1]	Vibration [1]
RH-15X-408	15.0"	11.97" x 8.98"	1024 x 768	16.7 Million	400 Nits	600:1	3/5 ms	± 80°	± 80°	30 G, 11 ms ½ Sine Wave	1.0 G (5–100 Hz)
RH-15X-409	15.0"	11.97" x 8.98"	1024 x 768	16.2 Million	400 Nits	700:1	5.7/2.3 ms	± 80°	+ 60°, -80°	50 G, 20 ms ½ Sine Wave	1.5 G (10–200 Hz)
RH-17W-510	17.0"	13.30" x 10.64"	1280 x 1024	16.7 Million	350 Nits	1000:1	3.5/1.5 ms	± 85°	± 85°	50 G, 20 ms ½ Sine Wave	1.5 G (10–200 Hz)
RH-17D-524	17.3"	15.03" x 8.46"	1920 x 1080	16.7 Million	400 Nits	600:1	37/3 ms	± 80°	+ 60°, -80°	50 G, 20 ms ½ Sine Wave	1.5 G (10–200 Hz)
RH-19W-701	19.0"	14.81" x 11.85"	1280 x 1024	16.7 Million	350 Nits	1000:1	3.6/1.4 ms	± 85°	± 80°	50 G, 20 ms ½ Sine Wave	1.5 G (10–200 Hz)
RH-19W-703	19.0"	14.81" x 11.85"	1280 x 1024	16.7 Million	330 Nits	900:1	7/11 ms	± 89°	± 89°	100 G, 2 ms ½ Sine Wave	1.0 G (10–300 Hz)
RH-20U-845	20.1"	16.06" x 12.05"	1600 x 1200	16.7 Million	260 Nits	1000:1	30 ms	± 85°	± 85°	50 G, 6 ms ½ Sine Wave	1.0 G (58–500 Hz)

1 Shock and Vibration data reflect parameters for baseline industrial monitors. Military-grade monitors could sustain even greater shock and vibration levels. Please inquire with a Sales Engineer for more information.

MTBF

	Display	LED Backlight [2]	LED Controller	Power Supply (Optional)
RH-15X-408	50,000 Hours (Minimum)	> 50,000 Hours (Typical)	182,000 Hours (Minimum)	Depends on Supply Selected
RH-15X-409	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
RH-17W-510	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
RH-17D-524	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
RH-19W-701	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
RH-19W-703	50,000 Hours (Minimum)	30,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
RH-20U-845	> 50,000 Hours (Typical)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected

2 The hours for LED Backlight refer to the half-life of the backlight; that is, the point at which the LEDs reach half of their original brightness. *It does not indicate the life expectancy of the backlight.*

ENVIRONMENTAL

	Temperature, Operating	Temperature, Storage	Humidity, Operating	Humidity, Storage	Altitude, Operating	Altitude, Storage
RH-15X-408	-20° C to 70° C	-30° C to 85° C	8% to 90% RH Non-condensing	8% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
RH-15X-409	-30° C to 85° C	-30° C to 85° C	8% to 90% RH Non-condensing	8% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
RH-17W-510	-30° C to 85° C	-30° C to 85° C	8% to 90% RH Non-condensing	8% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
RH-17D-524	0° C to 70° C	-20° C to 70° C	5% to 95% RH Non-condensing	5% to 95% RH Non-condensing	10,000 Feet	40,000 Feet
RH-19W-701	0° C to 50° C	-20° C to 60° C	5% to 90% RH Non-condensing	5% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
RH-19W-703	-10° C to 70° C	-20° C to 80° C	10% to 90% RH Non-condensing	10% to 90% RH Non-condensing	16,000 Feet	40,000 Feet
RH-20U-845	0° C to 50° C	-25° C to 60° C	8% to 95% RH Non-condensing	8% to 95% RH Non-condensing	10,000 Feet	40,000 Feet

MECHANICAL

	Dimensions (H x W x D [Enclosure/Slides])	Construction	Finish	Weight, Operating	Weight, Shipping
RH-15X-408	1.75" (1U) x 19.00" x 16.63"/20.00"	5052-H32 Aluminum	Black Matte Powder Coat & Clear Iridite	14 Pounds	20 Pounds
RH-15X-409	1.75" (1U) x 19.00" x 16.63"/20.00"	5052-H32 Aluminum	Black Matte Powder Coat & Clear Iridite	14 Pounds	20 Pounds
RH-17W-510	1.75" (1U) x 19.00" x 15.81"/20.00"	5052-H32 Aluminum	Black Matte Powder Coat & Clear Iridite	16 Pounds	22 Pounds
RH-17D-524	1.75" (1U) x 19.00" x 15.81"/20.00"	5052-H32 Aluminum	Black Matte Powder Coat & Clear Iridite	16 Pounds	22 Pounds
RH-19W-701	1.75" (1U) x 19.00" x 15.81"/24.00"	5052-H32 Aluminum	Black Matte Powder Coat & Clear Iridite	18 Pounds	24 Pounds
RH-19W-703	1.75" (1U) x 19.00" x 15.81"/20.00"	5052-H32 Aluminum	Black Matte Powder Coat & Clear Iridite	18 Pounds	24 Pounds
RH-20U-845	3.50" (2U) x 19.00" x 15.81"/20.00"	5052-H32 Aluminum	Black Matte Powder Coat & Clear Iridite	27 Pounds	33 Pounds

MODEL NUMBER CONFIGURATOR [3]

Model Style	Size & Resolution (aab)	Display (ccc)	Video Controller (ddd)	Keyboard/Pointer (ee)	Industrial Enclosure (ff)	Display Overlay (gg)	Power Supply (hijj)
RH-	15X-	408-	###-	00-	##-	##-	0092
RH-	15X-	409-	###-	00-	##-	##-	0092
RH-	17W-	510-	###-	00-	##-	##-	0092
RH-	17D-	524-	###-	00-	##-	##-	0092
RH-	19W-	701-	###-	00-	##-	##-	0092
RH-	19W-	703-	###-	00-	##-	##-	0092
RH-	20U-	845-	###-	00-	05-	##-	IP31

3 The hashtags (#) indicate customer-defined values.

ORDERING

Model Number [4]	Description
RH-15X-408- ddd-00-ff-gg -0092	Rack Mount Hinge 15.0, 1U Rack Mount Industrial-/Military-Grade 15.0" XGA Flip-Up/-Down LCD Monitor
RH-15X-409- ddd-00-ff-gg -0092	Rack Mount Hinge 15.0, 1U Rack Mount Industrial-/Military-Grade 15.0" XGA Flip-Up/-Down LCD Monitor
RH-17W-510- ddd-00-ff-gg -0092	Rack Mount Hinge 17.0, 1U Rack Mount Industrial-/Military-Grade 17.0" SXGA Flip-Up/-Down LCD Monitor
RH-17D-524- ddd-00-ff-gg -0092	Rack Mount Hinge 17.3, 1U Rack Mount Industrial-/Military-Grade 17.3" WUXGA Flip-Up/-Down LCD Monitor
RH-19W-701- ddd-00-ff-gg -0092	Rack Mount Hinge 19.0, 1U Rack Mount Industrial-/Military-Grade 19.0" SXGA Flip-Up/-Down LCD Monitor
RH-19W-703- ddd-00-ff-gg -0092	Rack Mount Hinge 19.0, 1U Rack Mount Industrial-/Military-Grade 19.0" SXGA Flip-Up/-Down LCD Monitor
RH-20U-845- ddd-00-05-gg -IP31	Rack Mount Hinge 20.1, 2U Rack Mount Industrial-/Military-Grade 20.1" UXGA Flip-Up/-Down LCD Monitor

4 Bold Italicized letters refer to standard customer-defined configurations (see Model Number Configurator above).

DISPLAY

	Size (Diagonal)	Viewing Area (W x H)	Resolution (Pixels)	Number of Colors	Luminance (0° Max.)	Contrast (Max.)	Response Time (Rise/Decay)	Horizontal Viewing Angle	Vertical Viewing Angle	Shock [1]	Vibration [1]
SRH-15X-989	15.0"	11.97" x 8.98"	1024 x 768	16.7 Million	600 Nits	600:1	3/5 ms	±80°	±80°	30 G, 11 ms ½ Sine Wave	1.0 G (5–100 Hz)
SNRH-17W-956[3]	17.0"	13.30" x 10.64"	1280 x 1024	16.7 Million	932 Nits [2]	813:1 [2]	3.5/1.5 ms	±85°	±85°	50 G, 20 ms ½ Sine Wave	1.5 G (10–200 Hz)
DRH-19W-991	19.0"	14.81" x 11.85"	1280 x 1024	16.7 Million	485 Nits [2]	1276:1 [2]	3.6/1.4 ms	±85°	±80°	50 G, 11 ms ½ Sine Wave	1.5 G (10–300 Hz)
SRH-19W-992	19.0"	14.81" x 11.85"	1280 x 1024	16.7 Million	1000 Nits [2]	700:1 [2]	3.6/1.4 ms	±85°	±80°	50 G, 11 ms ½ Sine Wave	1.5 G (10–300 Hz)
SNRH-19W-993[3]	19.0"	14.81" x 11.85"	1280 x 1024	16.7 Million	1000 Nits [2]	700:1 [2]	3.6/1.4 ms	±85°	±80°	50 G, 11 ms ½ Sine Wave	1.5 G (10–300 Hz)

1 Shock and Vibration data reflect parameters for baseline industrial monitors. Military-grade monitors could sustain even greater shock and vibration levels. Please inquire with a Sales Engineer for more information.

2 Brightness and Contrast values reflect measurements obtained with a Minolta® CS100 photometer; these values are nominal and may vary.

3 This model has been designed and tested to be NVIS compatible to MIL-STD-3009. Inquire with a Sales Engineer about obtaining other night vision goggle-compatible models.

MTBF

	Display	LED Backlight [4]	LED Controller	Power Supply (Optional)
SRH-15X-989	50,000 Hours (Minimum)	70,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SNRH-17W-956[3]	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
DRH-19W-991	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SRH-19W-992	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SNRH-19W-993[3]	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected

4 The hours for LED Backlight refer to the half-life of the backlight; that is, the point at which the LEDs reach half of their original brightness. *It does not indicate the life expectancy of the backlight.*

ENVIRONMENTAL

	Temperature, Operating	Temperature, Storage	Humidity, Operating	Humidity, Storage	Altitude, Operating	Altitude, Storage
SRH-15X-989	-20° C to 70° C	-30° C to 80° C	8% to 90% RH Non-condensing	8% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
SNRH-17W-956[3]	-30° C to 85° C	-30° C to 85° C	8% to 90% RH Non-condensing	8% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
DRH-19W-991	-30° C to 85° C	-30° C to 85° C	8% to 90% RH Non-condensing	8% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
SRH-19W-992	-30° C to 85° C	-30° C to 85° C	8% to 90% RH Non-condensing	8% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
SNRH-19W-993[3]	-30° C to 85° C	-30° C to 85° C	8% to 90% RH Non-condensing	8% to 90% RH Non-condensing	10,000 Feet	30,000 Feet

MECHANICAL

	Dimensions (H x W x D [Enclosure/Slides])	Construction	Finish	Weight, Operating	Weight, Shipping
SRH-15X-989	1.75" (1U) x 19.00" x 16.63"/20.00"	5052-H32 Aluminum	Black Matte Powder Coat & Clear Iridite	14 Pounds	20 Pounds
SNRH-17W-956[3]	1.75" (1U) x 19.00" x 15.81"/20.00"	5052-H32 Aluminum	Black Matte Powder Coat & Clear Iridite	16 Pounds	22 Pounds
DRH-19W-991	1.75" (1U) x 19.00" x 15.81"/24.00"	5052-H32 Aluminum	Black Matte Powder Coat & Clear Iridite	18 Pounds	24 Pounds
SRH-19W-992	1.75" (1U) x 19.00" x 15.81"/24.00"	5052-H32 Aluminum	Black Matte Powder Coat & Clear Iridite	18 Pounds	24 Pounds
SNRH-19W-993[3]	1.75" (1U) x 19.00" x 15.81"/24.00"	5052-H32 Aluminum	Black Matte Powder Coat & Clear Iridite	18 Pounds	24 Pounds

MODEL NUMBER CONFIGURATOR [5]

Model Style	Size & Resolution (aab)	Display (ccc)	Video Controller (ddd)	Keyboard/Pointer (ee)	Industrial Enclosure (ff)	Display Overlay (gg)	Power Supply (hijj)
DRH-	15X-	989-	###-	00-	##-	##-	0092
SNRH-	17W-	956-	###-	00-	##-	##-	0092
DRH-	19W-	991-	###-	00-	##-	##-	0092
SRH-	19W-	992-	###-	00-	##-	##-	0092
SNRH-	19W-	993-	###-	00-	##-	##-	0092

5 The hashtags (#) indicate customer-defined values.

ORDERING

Model Number [6]	Description
DRH-15X-989- ddd -12-02- gg -0092	Rack Mount Hinge Solar 15.0, 1U Rack Mount Industrial-/Military-Grade Sunlight Readable 15.0" XGA Flip-Up/-Down LCD Monitor
SNRH-17W-956- ddd -12-02- gg -0092	Rack Mount Hinge Solar/NVIS 17.0, 1U Rack Mount Industrial-/Military-Grade Sunlight Readable Night Vision Goggle-Compatible 17.0" SXGA Flip-Up/-Down LCD Monitor [3]
DRH-19W-991- ddd -12-02- gg -0092	Rack Mount Hinge Solar 19.0, 1U Rack Mount Industrial-/Military-Grade Sunlight Readable 19.0" SXGA Flip-Up/-Down LCD Monitor
SRH-19W-992- ddd -12-02- gg -0092	Rack Mount Hinge Solar 19.0, 1U Rack Mount Industrial-/Military-Grade Sunlight Readable 19.0" SXGA Flip-Up/-Down LCD Monitor
SNRH-19W-993- ddd -12-02- gg -0092	Rack Mount Hinge Solar/NVIS 19.0, 1U Rack Mount Industrial-/Military-Grade Sunlight Readable Night Vision Goggle-Compatible 19.0" SXGA Flip-Up/-Down LCD Monitor [3]

6 **Bold Italicized letters** refer to standard customer-defined configurations (see Model Number Configurator above).

VIDEO CONTROLLER [1]

ddd	Display Supported	Resolution/Frequency [2]						Scaling	NTSC / SECAM / PAL / RS-170	Video Supported
		640 x 480 VGA	800 x 600 SVGA	1024 x 768 XGA	1280 x 1024 SXGA	1600 x 1200 UXGA	1920 x 1200 WUXGA			
115 [3, 4]	All	60, 72, 75 Hz	56, 60, 72, 75 Hz	60, 70, 75 Hz	60, 75 Hz	60 Hz	60 Hz	On/Off	—	Separate, Composite, Sync-On-Green, DVI-D
117 [3]	All	60, 72, 75 Hz	56, 60, 72, 75 Hz	60, 70, 75 Hz	60, 75 Hz	—	60 Hz	On/Off	—	Separate, Composite, Sync-On-Green, DVI-D
121 [3]	All	60, 72, 75 Hz	56, 60, 72, 75 Hz	60, 70, 75 Hz	60, 75 Hz	—	60 Hz	On/Off	Digital Processor, Picture-In-Picture	Separate, Composite, Sync-On-Green, DVI-D

1 Most common video inputs listed. See below for a comprehensive list of supported video standards. Speak with a Sales Engineer for more information.

2 Most common video modes listed. Other video modes supported. Speak with a Sales Engineer for more information.

3 Supports advanced features such as Live Video, Picture-In-Picture (multiple user-selectable sizes), and Picture-By-Picture.

4 Video controller 115 is obsolete and shown for reference only.

VIDEO STANDARDS SUPPORTED All Models

Analog Computer Video	Digital Computer Video	Composite (Live) Video	HD Video	Others
VGA, SVGA, ARGB, RGB, Separate Sync, Composite Sync, Sync-On-Green, DVI-A, STANAG 3350 A / B / C	DVI-D, DVI-I, SD-SDI, HD-SDI	NTSC, PAL, SECAM, RS-170, S-Video, CCTV	HD-SDI, HDMI	CGI, CCIR, EGA, RS-343A, EIA-343A, Custom Sync

CALIBRATION All Models

ddd	Interface	Functions	Advanced
115 [4]	On-screen Displays Navigated by 8-button Membrane Pad	Volume, Brightness, Contrast, Saturation, Hue, Sharpness, Input Signal, Aspect Size (Scaling), Image Position (Horizontal & Vertical), Utilities	Auto Source Seek, Auto Picture Setup, Auto Color Gain, Auto Power Off, Picture-In-Picture, Color Temperature, Hot Keys, OSD (Position, Timeout, Language [English, Chinese], Transparency), Manual Clock & Phase, Video Standard, Image Orientation, Gamma
117	On-screen Displays Navigated by 8-button Membrane Pad	Brightness, Contrast, Saturation, Backlight Brightness, Input Signal, Aspect Size (Scaling), Image Position (Horizontal & Vertical), Utilities	Picture-In-Picture (PIP), PIP Size, PIP Position, PIP Transparency, Auto Picture Setup, Auto Color Gain, Wide Screen Mode Detection, Manual Clock/Phase, Auto Source Seek, Auto Power Off, Video Standard, OSD (Position, Timeout, Language [English, Spanish, French, German, Chinese], Transparency, Display Input), Image Freeze, Image Zoom & Pan, Color Temperature, Hot Keys, Backlight Setup
121	On-screen Displays Navigated by 8-button Membrane Pad	Brightness, Contrast, Saturation, Hue, Sharpness, Backlight Brightness, Input Signal, Aspect Size (Scaling), Image Position (Horizontal & Vertical), Utilities	Picture-In-Picture (PIP), PIP Size, PIP Position, PIP Transparency, Auto Picture Setup, Auto Color Gain, Wide Screen Mode Detection, Manual Clock/Phase, Auto Source Seek, Auto Power Off, Video Standard, OSD (Position, Timeout, Language [English, Spanish, French, German, Chinese], Transparency, Display Input), Image Freeze, Image Zoom & Pan, Color Temperature, Hot Keys, Backlight Setup, Image Orientation (Normal, Horizontal Flip, Vertical Flip, Rotate)

I/O CONNECTIONS All Models

Power (DC)	Analog Video	Keyboard/Pointing Device	On/Standby (DC)	S-Video (Optional)	Composite Video (Optional)	Audio (Optional)
6-pin Circular, Locking	High Density 15-pin Socket	6-pin Mini DIN	Membrane Pad	4-pin Mini DIN	BNC Socket	3.5 mm Headphone Jack

OPTIONS All Models (Ordered separately — Please inquire with a Sales Engineer for additional options and accessories)

POWER SUPPLY [5, 6]

Model Number	Mounting Style	Input Voltage	Input Frequency	Output Voltage	Power (Maximum)	Power Factor Correction
PS-1U-1275-PFC	1U Rack Mount	85–264 VAC (Auto-Sensing)	47–63 Hz	+12 VDC	75 Watt	0.95
90-1105-015/90-160	Standalone/Rack Mount Bracket	90–264 VAC	50–60 Hz	+12 VDC	100 Watt	Yes
IP31 [7]	Built-in	90–264 VAC	47–63 Hz	+12 VDC	100 Watt	Yes
Standalone Power Supplies	Consult with a Sales Engineer to select from a multitude of AC switching or DC–DC supplies that can be mounted within the customer’s rack. General Digital can assist in specifying a commercial, industrial or military power supply that will meet your specific requirements.					

5 Includes 67" AC Power Cable.

6 Since the RH Series does not include an embedded power supply, we strongly recommend the purchase of a General Digital-manufactured power supply, which is specially designed and tested to work with our LCD monitors. Please note that this supply includes the required DC harness and connector to interface to the Rack Mount Hinge.

7 RH-20U Only

DISPLAY OVERLAY (Other overlays available — Please inquire with a Sales Engineer)

gg	Description	gg	Description	gg	Description
00	None	21	Vandal Shield, Polycarbonate or Acrylic	35	Capacitive Touch Screen, Ideal Etch
02	Clear Float Glass, Antiglare Two Sides	23	Vandal Shield, Clear Float Glass, Antiglare Two Sides, 2 Panes Bonded (Laminated) Together (Not Bonded to LCD)	51	Resistive Touch Screen
04	Clear Float Glass, Antireflective Two Sides	24	Vandal Shield, Soda Lime Glass, Chemically Strengthened (Tempered), Antireflective Two Sides		

RACK MOUNT 1U KEYBOARD/POINTING DEVICE (Most popular models listed; large selection from which to choose — Please inquire)

Model	Grade	Keyboard Enclosure	Keyboard			Pointing Device	
			No. of Keys	Compatibility	Special Features	Type	Compatibility
RK83-TB	Commercial	Polycarbonate	83	AT & PS/2	101-key Functionality	16 mm Trackball/ 2 Mouse Buttons	PS/2; USB
RK83-TBI	Light Industrial	Aluminum	83	PS/2	101-key Functionality	1½" Trackball/ 3 Mouse Buttons	PS/2; USB
RK104-TP	Commercial	Polycarbonate	104	AT & PS/2	None	Touch Pad/ 2 Mouse Buttons	PS/2; USB
RK114-S12H	Heavy-Duty Industrial	Aluminum/NEMA12	114	XT, AT & PS/2 (DEC, Sun® or Mac Opt.)	Industrial Silicone Rubber Key Switch	HulaPoint®/ 3 Mouse Buttons	PS/2; USB
RK121-12TB	Heavy-Duty Industrial	Aluminum/NEMA12	121	AT & PS/2 (DEC, Sun® Type 5 Opt.)	Spill/Dust Proof, Solid-State, Full-Travel Key Switch	1¾" Trackball/ 3 Mouse Buttons	PS/2; USB

OTHER

NVIS Compatibility	Night Vision Displays Compliant to MIL-STD-3009
Sunlight Readable LCDs	High Brightness Displays to 1000+ Nits
Optical Enhancements	Bonding of Filter and Display Using Indice-Matched Optical Materials; Brightness and Contrast Enhancing Films and Laminations
Keyboards	Commercial-, Industrial-, and Military-Grade 1U and 2U Rack Mount Keyboards. PC/AT, PS/2, and SUN Compatibility. Most Keyboards Include Pointing Device with Integrated Touch Pad, Trackball, or HulaPoint™
Video Accessories	Video Cables, Signal Extenders, NTSC/PAL/SECAM/RS-170/S-Video/DVI-D/HD-SDI/ SD-SDI/HDMI/HD Component Support, Picture-In-Picture, Picture-By-Picture
Remote Control	IR or Serial Calibration/Control Interface
Customization	Custom Mechanical and Electrical Modifications; Custom Finishing; Custom Software and Performance Modifications; Private Labeling
Speakers [8]	Two, 1.5 Watt, 90 SPL, 16 Ohm, 90 mm x 41 mm x 3.29 mm

8 RH-20U Only