

SLIMLINE LITE II™ / SLIMLINE LITE II SOLAR™

Industrial-/Military-Grade, 2U Rack Mount, Standard/High Brightness, Flip-up LCD Monitor/Keyboard/Trackball



General Digital's **SLIMLINE LITE II SERIES** is a rugged man-machine operator interface that is designed to replace the traditional CRT and keyboard with a compact, lightweight and durable alternative. The SlimLine Lite II 15.0", 17.0", 17.3", 19.0" and 20.1" LCD monitors feature a keyboard with integral trackball. These robust units are intended for use in commercial, industrial and military applications, either as a portable/desktop device or as a rack mounted solution.

The SL2 Series feature high contrast, wide viewing angle LCD displays that interface directly to your existing analog video graphics card. An on-screen display (OSD) with intuitive menus allows end users to calibrate the Analog-Digital Video Interface to optimize its performance. We offer several models with both standard luminance and sunlight readable displays.

Physically, the SlimLine Lite II resembles a laptop computer. The LCD panel is mounted in a "display head," while the keyboard and pointing device are mounted in the main enclosure. Unlike a laptop that is housed in a plastic enclosure, the SlimLine Lite II monitors are packaged in rugged aluminum housings. The display heads pivot 115 degrees on user-adjustable friction hinges that allow users to adjust the viewing angle of the display for optimum performance. The torque on the hinges can be adjusted to suit the shock/vibration of each application.

The standard SlimLine Lite II product line is configured with an industrial PS/2-compatible, 83-key (101-key functionality), "laptop-style" keyboard and trackball pointing device (KPD). Optionally, one of several ruggedized KPDs can be specified which feature 82 keys and a sealed 1³/₈" trackball. Customers can select a commercial-grade KPD or a robust, industrial-grade, backlit KPD or a military-grade model that features red LED backlighting, EMI filters, surge protectors, shock sensing, keycap clips, and brightness control. Many KPDs meet military standards for sealing and shock/vibration.

When configured with General Digital's 19" Rack Adaptor Kit (Part No. 90-753 or 90-754), the SlimLine Lite II Series can be integrated into a standard (RETMA) 19" rack chassis. The 19" Rack Adaptor Kit features a sleeve that attaches directly to the rack chassis. A pair of roller bearing slides facilitate the installation of the devices into the sleeve, allowing them to easily slide in and out of the rack for storage and operation.

Please feel welcome to consult a General Digital Sales Engineer for additional information, or visit www.GDdisplaysystems.com.

QUICK LOOK

ENCLOSURE

- » Rugged, All-Metal Construction Designed to Satisfy Industrial or MIL-STD-810-F Requirements
- » User-Adjustable LCD Display Friction Hinge for High Shock/Vibration Environments
- » Compact Enclosure Ideal for Desktop, Transportable or Rack Mount Applications
- » Optional 19" Rack Adaptor Kit
 - Occupies Only 2U (3.5") Vertical Rack Space
 - Adjustable Mounting Brackets for Racks from 18" to 30"
 - Unique Locking Mechanism to Secure Display Head
 - Bezel Hinges at Base Improve Safety
 - Conserves Operator Space by Extending 16.75" to 18.0" when Deployed

DISPLAY

- » 15"/17"/19"/20" Diagonal Active Matrix TFT LCD Display
- » XGA (1024 x 768 pixels) to WUXGA (1920 x 1080 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 and DVI-D Standards
- » Support for NTSC, SECAM, PAL, RS-170 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, Image Zoom, Foreign Languages, PIP, PBP, More

KEYBOARD/POINTING DEVICE

- » Commercial-, Industrial- and Military-Grade Keyboards
- » Many Sealed Keyboards Available that Meet MIL-STD-810 and MIL-STD-901 Shock and Vibration Requirements
- » 1-3/8" Diameter Sealed Trackball

POWER

- » +12 VDC Operation
- » Low Power Consumption (<50 Watts)

OPTIONS

- » NVIS-Compatible Displays Compliant with MIL-STD-3009
- » Sunlight Readable Displays and Other Optical Enhancements
- » Separate 1U Power Supply Mounts to Rear of Rack in Same Vertical Rack Space
- » Separate Rack Mountable Keyboards (Commercial-, Industrial- and Military-Grade)
- » Support for DVI-D Video, HDMI Video, NTSC Video (Composite)
- » Protective Glass Display Overlay for SL2-15X
- » Integrated 4-Port KVM Switch
- » Integrated CAC (Common Access Card) Smart Card Reader

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]
SL2-15X-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)
SL2-15X-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)
SL2-17W-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)
SL2-17D-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)
SL2-19W-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)
SL2-19W-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)
SL2-20U-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)
SL2-15X-408	50,000 Hours (Minimum)	> 50,000 Hours (Typical)	182,000 Hours (Minimum)	Depends on Supply Selected
SL2-15X-409	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SL2-17W-510	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SL2-17D-524	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SL2-19W-701	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SL2-19W-703	50,000 Hours (Minimum)	30,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SL2-20U-845	> 50,000 Hours (Typical)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected

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

ENVIRONMENTAL

	Temperature, Operating	Temperature, Storage	Humidity, Operating	Humidity, Storage	Altitude, Operating	Altitude, Storage
SL2-15X-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
SL2-15X-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
SL2-17W-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
SL2-17D-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
SL2-19W-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
SL2-19W-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
SL2-20U-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)	Construction	Finish	Weight, Operating [3]	Weight, Shipping [3]
SL2-15X-408	2.88" x 16.00" x 14.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	17 Pounds	26 Pounds
SL2-15X-409	2.88" x 16.00" x 14.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	17 Pounds	26 Pounds
SL2-17W-510	2.88" x 16.00" x 17.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	19 Pounds	28 Pounds
SL2-17D-524	2.88" x 16.00" x 17.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	19 Pounds	28 Pounds
SL2-19W-701	2.88" x 16.00" x 17.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	19 Pounds	28 Pounds
SL2-19W-703	2.88" x 16.00" x 17.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	19 Pounds	28 Pounds
SL2-20U-845	2.88" x 16.00" x 17.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	21 Pounds	30 Pounds

3 Add 10 pounds to the Operating and Shipping Weight when the Rack Adaptor Option is included.

MODEL NUMBER CONFIGURATOR [4]

Model Style	Size & Resolution (aab)	Display (ccc)	Video Controller (ddd)	Keyboard/Pointer (ee)	Industrial Enclosure (ff)	Display Overlay (gg)	Power Supply (hijj)
SL2-	15X-	408-	###-	##-	03-	##-	0092
SL2-	15X-	409-	###-	##-	03-	##-	0092
SL2-	17W-	510-	###-	##-	03-	##-	0092
SL2-	17D-	524-	###-	##-	03-	##-	0092
SL2-	19W-	701-	###-	##-	03-	##-	0092
SL2-	19W-	703-	###-	##-	03-	##-	0092
SL2-	20U-	845-	###-	##-	03-	##-	0092

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

ORDERING

Model Number [5]	Description
SL2-15X-408- ddd-ee-03-gg -0092	SlimLine Lite II 15.0, 1U Rack Mount Ruggedized 15.0" XGA Flip-up LCD Monitor with Integral Keyboard and Trackball
SL2-15X-409- ddd-ee-03-gg -0092	SlimLine Lite II 15.0, 1U Rack Mount Ruggedized 15.0" XGA Flip-up LCD Monitor with Integral Keyboard and Trackball
SL2-17W-510- ddd-ee-03-gg -0092	SlimLine Lite II 17.0, 1U Rack Mount Ruggedized 17.0" SXGA Flip-up LCD Monitor with Integral Keyboard and Trackball
SL2-17D-524- ddd-ee-03-gg -0092	SlimLine Lite II 17.3, 1U Rack Mount Ruggedized 17.3" WUXGA Flip-up LCD Monitor with Integral Keyboard and Trackball
SL2-19W-701- ddd-ee-03-gg -0092	SlimLine Lite II 19.0, 1U Rack Mount Ruggedized 19.0" SXGA Flip-up LCD Monitor with Integral Keyboard and Trackball
SL2-19W-703- ddd-ee-03-gg -0092	SlimLine Lite II 19.0, 1U Rack Mount Ruggedized 19.0" SXGA Flip-up LCD Monitor with Integral Keyboard and Trackball
SL2-20U-845- ddd-ee-03-gg -0092	SlimLine Lite II 20.1, 1U Rack Mount Ruggedized 20.1" UXGA Flip-up LCD Monitor with Integral Keyboard and Trackball

5 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]
SSL2-15X-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)
SNSL2-17W-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)
DSL2-19W-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)
SSL2-19W-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)
SNSL2-19W-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)
SSL2-15X-989	50,000 Hours (Minimum)	70,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SNSL2-17W-956 [3]	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
DSL2-19W-991	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SSL2-19W-992	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SNSL2-19W-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
SSL2-15X-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
SNSL2-17W-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
DSL2-19W-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
SSL2-19W-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
SNSL2-19W-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)	Construction	Finish	Weight, Operating [5]	Weight, Shipping [5]
SSL2-15X-989	2.88" x 16.00" x 14.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	17 Pounds	26 Pounds
SNSL2-17W-956 [3]	2.88" x 16.00" x 17.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	19 Pounds	28 Pounds
DSL2-19W-991	3.50" x 19.00" x 24.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	19 Pounds	28 Pounds
SSL2-19W-992	3.50" x 19.00" x 24.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	19 Pounds	28 Pounds
SNSL2-19W-993 [3]	2.88" x 16.00" x 17.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	19 Pounds	28 Pounds

5 Add 10 pounds to the Operating and Shipping Weight when the Rack Adaptor Option is included.

MODEL NUMBER CONFIGURATOR [6]

Model Style	Size & Resolution (aab)	Display (ccc)	Video Controller (ddd)	Keyboard/Pointer (ee)	Industrial Enclosure (ff)	Display Overlay (gg)	Power Supply (hijj)
SSL2-	15X-	989-	###-	##-	03-	##-	0092
SNSL2-	17W-	956-	###-	##-	03-	##-	0092
DSL2-	19W-	991-	###-	##-	03-	##-	0092
SSL2-	19W-	992-	###-	##-	03-	##-	0092
SNSL2-	19W-	993-	###-	##-	03-	##-	0092

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

ORDERING

Model Number [7]	Description
SSL2-15X-989- ddd-ee-03-gg-0092	SlimLine Lite II Solar 15.0, 1U Rack Mount Ruggedized Sunlight Readable 15.0" XGA Flip-up LCD Monitor with Integral Keyboard and Trackball
SNSL2-17W-956- ddd-ee-03-gg-0092	SlimLine Lite II Solar 17.0, 1U Rack Mount Ruggedized Sunlight Readable Night Vision Goggle-Compatible 17.0" SXGA Flip-up LCD Monitor with Integral Keyboard and Trackball [3]
DSL2-19W-991- ddd-ee-03-gg-0092	SlimLine Lite II Solar 19.0, 1U Rack Mount Ruggedized Sunlight Readable 19.0" SXGA Flip-up LCD Monitor with Integral Keyboard and Trackball
SSL2-19W-992- ddd-ee-03-gg-0092	SlimLine Lite II Solar 19.0, 1U Rack Mount Ruggedized Sunlight Readable 19.0" SXGA Flip-up LCD Monitor with Integral Keyboard and Trackball
SNSL2-19W-993- ddd-ee-03-gg-0092	SlimLine Lite II Solar 19.0, 1U Rack Mount Ruggedized Sunlight Readable Night Vision Goggle-Compatible 19.0" SXGA Flip-up LCD Monitor with Integral Keyboard and Trackball [3]

7 **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, CCR, 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)	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)	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 [5]	Membrane Pad	4-pin Mini DIN	BNC Socket	3.5 mm Headphone Jack

5 Signal for the Keyboard/Pointing Device (DE-9 Socket on enclosure) provided separately via external cable.

KEYBOARD [6]

ee	Grade	Keyboard Enclosure	Keyboard			Pointing Device	
			No. of Keys	Compatibility	Special Features	Type	Compatibility
51	Heavy-Duty Industrial	Metal	82	PS/2	–	1-3/8" Trackball/ 3 Mouse Buttons	PS/2
52	Heavy-Duty Industrial	Metal	82	PS/2	Backlit Keys	1-3/8" Trackball/ 3 Mouse Buttons	PS/2
53	Heavy-Duty Industrial	Metal	82	Sun® Type 5 (8-pin Mini DIN)	–	1-3/8" Trackball/ 3 Mouse Buttons	Sun® Type 5 (8-pin Mini DIN)
54	Heavy-Duty Industrial	Metal	82	Sun® Type 5 (8-pin Mini DIN)	Backlit Keys	1-3/8" Trackball/ 3 Mouse Buttons	Sun® Type 5 (8-pin Mini DIN)
55	Military [7]	Metal	82	PS/2	Backlit Keys	1-3/8" Trackball/ 3 Mouse Buttons	PS/2
57	Military [7]	Metal	82	Sun® Type 6 (USB)	Backlit Keys	1-3/8" Trackball/ 3 Mouse Buttons	Sun® Type 6 (USB)
58	Military [7]	Metal	82	PC USB	Backlit Keys	1-3/8" Trackball/ 3 Mouse Buttons	PC USB
59	Military [7]	Metal	82	Sun® Type 5 (8-pin Mini DIN)	Backlit Keys	1-3/8" Trackball/ 3 Mouse Buttons	Sun® Type 5 (8-pin Mini DIN)
62	Military [7]	Metal	121	Sun® Type 6 (USB)	Backlit Keys	1-3/8" Trackball/ 3 Mouse Buttons	Sun® Type 6 (USB)

6 All keyboard electronics, switch activators, optical pick-ups, bearings and connectors are protected against dirt, dust, liquids and general contamination.

7 Certified for MIL-STD-810: Sand/Dust, Salt/Fog, Spill / Rain, Shock (30 G), Vibration (1 G, 4–33 Hz).

POWER SUPPLY [8]

Model Number	Mounting Style	Input Voltage	Input Frequency	Output Voltage	Power (Maximum)	Power Factor Correction
PS-1U-1275-PFC [9]	1U Rack Mount	85–264 VAC (Auto-Sensing)	47–63 Hz	+ 12 VDC	75 Watt	0.95
PS-AK-12100-PFC	Standalone/ Rack Mount Bracket	90–264 VAC	50–60 Hz	+ 12 VDC	100 Watt	Yes
PS-AK-1265	Standalone/ Rack Mount Bracket	90–264 VAC	50–60 Hz	+ 12 VDC	65 Watt	–
Free-Standing 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.					

8 Includes 6'7" AC Power Cable.

9 FCC Certified and UL Approved.

DISPLAY OVERLAY [10, 11] (Other Overlays Available – Please Inquire with a Sales Engineer)

gg	Description	gg	Description
00	None	21	Vandal Shield, Polycarbonate or Acrylic
02	Clear Float Glass, Antiglare Etch Two Sides	24	Vandal Shield, Soda Lime Glass, Chemically Strengthened (Tempered), Antireflective Coating Two Sides
04	Clear Float Glass, Antireflective Coating Two Sides		

10 Available for the SL2-15X Only.

11 Special Display Overlay available on select SL2-17W models; please consult a Sales Engineer for more information.

19" RACK ADAPTOR

Model	Part Number	Model Supported	Dimensions (H x W x D)	Rear Mounting Brackets	Construction	Finish
Rack Adaptor Kit 28	90-751-A	SL2-15W	3.50" (2U) x 19.00" x 17.00"	18"–28" (adjustable)	0.125" / 0.090" Aluminum	Black Matte Powder Coat & Clear Iridite
Rack Adaptor Kit 34	90-752	SL2-15W	3.50" (2U) x 19.00" x 17.00"	28"–34" (adjustable)	0.125" / 0.090" Aluminum	Black Matte Powder Coat & Clear Iridite
Rack Adaptor Kit 30	90-753	SL2-17W / SL2-17D / SL2-19W / SL2-20U	3.50" (2U) x 19.00" x 19.00"	20"–30" (adjustable)	0.125" / 0.090" Aluminum	Black Matte Powder Coat & Clear Iridite
Rack Adaptor Kit 36	90-754	SL2-17W / SL2-17D / SL2-19W / SL2-20U	3.50" (2U) x 19.00" x 19.00"	30"–36" (adjustable)	0.125" / 0.090" Aluminum	Black Matte Powder Coat & Clear Iridite

MILITARY RUGGEDIZED ENHANCEMENT

Part Number	Description
90-165	Military Ruggedized Enhancement Kit: SlimLine Lite II 17.0" / 17.3" / 19.0" / 20.1", Cable Management Guide and Mounting Plate, LCD Restraining Brackets
90-164	Military Ruggedized Enhancement Kit: SlimLine Lite II 15.0", Cable Management Guide and Mounting Plate, LCD Restraining Brackets
90-161	1U (1.75" high) Power Supply with Military AC Power Input Connector and Dual Fuse Holders (to be used with either 90-165 or 90-164) [12]

12 AC line cord with mating military connector available (P/N 200-001-001); consult a Sales Engineer for details.

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
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; 4-Port KVM Switch; CAC Smart Card Reader

Rear View of SL2-19W Showing Power Supply and Interface Connectors

