

SABER STANDALONE™

Standard, Industrial-/Military-Grade, Standalone/Mountable LCD Monitors



The universal acceptance of LCD technology in the commercial, industrial and military sectors has revolutionized display applications. However, the demanding environments of many of these applications require performance that is not always addressed by commercial solutions; their plastic enclosures afford little design flexibility or ruggedization. Additionally, the unique needs of System Integrators/VARs and OEMs/End Users must be accommodated. In response to these criteria, General Digital offers a diverse selection of robust LCD monitor models.

The **SABER GD SERIES** flat screen displays are housed in rugged, yet stylish, enclosures designed to endure hazards that are typically associated with industrial and military COTS applications. A durable, matte black powder coat exterior resists scratches and fingerprints while also reducing reflected light. Industry standard VESA mounting holes heighten design flexibility by facilitating installation through the use of various pedestals, cradles and articulating arms.

The monitors' TFT LCD provides users with brilliant, colorful images, and a response time fast enough for viewing your favorite DVD. A protective glass overlay, with double-sided antiglare etch coatings, guards your LCD investment and diffuses surface glare.

Modular adaptability is the **SABER CMG SERIES'** domain. The turnkey flat panel monitors consist of vibrant LCD displays, full-featured analog video controllers and rugged aluminum enclosures.

The low power Saber CMG Series is designed to operate from a single +12V regulated source. Customers can provide their own power supply, request a custom supply, or choose from two standard power supply configurations (attached or separate module) featuring a power-factor-corrected AC switching supply. Additionally, the Saber CMG Series is designed with the intent to meet UL 60950 and FCC Class A Certification.

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

OVER 35 YEARS OF FLAT PANEL SOLUTIONS

QUICK LOOK

ENCLOSURE

- » Industrial/Military Grade
- » Rounded Corners Promote Operating Safety
- » Supports Side Mounting and Standard VESA Mounting
- » Rugged, All-Metal Construction

DISPLAY

- » 6" to 24" Diagonal Active Matrix TFT LCDs
- » VGA (640 x 480 pixels) to 4K UHD (3840 x 2160 pixels) Resolution
- » Wide Viewing Angles (Horizontal & Vertical)
- » High Brightness and Contrast Enhances Display Quality
- » Brightness Dimming Control (Select Models)

VIDEO CONTROLLER

- » Support for Interlaced and Non-Interlaced Video Sources
- » Support for Separate, Composite, Sync-On-Green and DVI-D Stds.
- » Support for NTSC, SECAM, PAL, RS-170 Video Input
- » Resolutions to 4096 x 2160 @ 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

POWER

- » +12 VDC Operation
- » Integrated 100W AC Power Supply with Line Input Filter/Fuse and Power Factor Correction (Select Models)
- » Low Power Consumption

OPTIONS

- » NVIS-Compatible Displays Compliant with MIL-STD-3009
- » Sunlight Readable Displays and Other Optical Enhancements
- » VESA Mounting Arms and Pedestals
- » Protective Glass Display Overlay
- » Capacitive and Resistive Touch Screens
- » External Power Supplies (AC, DC, Power Factor Correction, More)
- » Support for DVI-D Video, HDMI Video, NTSC Video (Composite)
- » Integrated Single-Strand Fiber-Optic Receiver and External Transceiver Supporting a Video Cable Length up to 1 km
- » Optical Film Management
- » Optical Bonding
- » Heaters

CERTIFICATIONS

- » The Saber CMG Series is Designed with the Intent to Meet UL 60950 and FCC Class A Certification when Configured with the General Digital-Supplied Power-Factor-Corrected AC Power Supply

Designed and Manufactured in the U.S.A.



 The Innovators of Flat Panel Technology

DISPLAY

	Size (Diagonal)	Viewing Area (W x H)	Resolution (Pixels)	Number of Colors	Luminance (0° Max.)	Contrast	Response Time (Rise/Decay)	Horizontal Viewing Angle	Vertical Viewing Angle	Shock [1]	Vibration [1]
GD-06X-103	6.5"	5.20" x 3.90"	1024 x 768	16.7 Million	650 Nits	500:1	6/19 ms	± 80°	+ 80°, -60°	54 G, 11 ms ½ Sine Wave	2.0 G (5–100 Hz)
GD-08S-166	8.4"	6.71" x 5.03"	800 x 600	16.2 Million	450 Nits	600:1	20/10 ms	± 80°	+ 80°, -60°	50 G, 20 ms ½ Sine Wave	1.5 G (10–200 Hz)
GD-10V-212	10.4"	8.31" x 6.24"	640 x 480	262,144	500 Nits	1500:1	14/9 ms	± 88°	± 88°	200 G, 2 ms ½ Sine Wave	1.5 G (10–200 Hz)
GD-10X-224	10.4"	8.28" x 6.37"	1024 x 768	16.2 Million	500 Nits	1000:1	14/11 ms	± 88°	± 88°	50 G, 11 ms ½ Sine Wave	1.5 G (10–300 Hz)
GD-12S-304	12.1"	9.69" x 7.26"	800 x 600	16.2 Million	600 Nits	1500:1	13/12 ms	± 89°	± 89°	200 G, 2 ms ½ Sine Wave	1.5 G (10–300 Hz)
GD-12X-305	12.1"	9.68" x 7.26"	1024 x 768	16.2 Million	500 Nits	700:1	5/11 ms	± 80°	± 80°	200 G, 2 ms ½ Sine Wave	1.5 G (10–300 Hz)
CMG-15X-408	15.0"	11.97" x 8.98"	1024 x 768	16.7 Million	400 Nits	600:1	6/2 ms	± 80°	± 80°	30 G, 11 ms ½ Sine Wave	1.0 G (5–100 Hz)
CMG-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)
CMG-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)
GD-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)
CMG-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)
CMG-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)
CMG-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)
CMG-22D-813	21.5"	18.77" x 10.56"	1920 x 1080	16.7 Million	300 Nits	5000:1	20/5 ms	± 89°	± 89°	50 G, 20 ms ½ Sine Wave	1.5 G (10–200 Hz)
CMG-24D-819	24.0"	20.92" x 11.77"	1920 x 1080	16.7 Million	300 Nits	3000:1	16/9 ms	± 89°	± 89°	50 G, 20 ms ½ Sine Wave	1.5 G (10–200 Hz)
GD-24K-848	23.8"	20.75" x 11.67"	3840 x 2160	1.07 Billion	300 Nits	1000:1	9.5 ms (Total)	± 89°	± 89°	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.

VIDEO CONTROLLER [2]

ddd	Display Supported	Resolution/Frequency [3]								Scaling	NTSC / SECAM / PAL / RS-170	Video Supported
		640 x 480 VGA	800 x 600 SVGA	1024 x 768 XGA	1366 x 768 WXGA	1280 x 1024 SXGA	1600 x 1200 UXGA	1920 x 1200 WUXGA	3840 x 2160 4K UHD			
115 [4, 5]	All	60, 72, 75 Hz	56, 60, 72, 75 Hz	60, 70, 75 Hz	60 Hz	60, 75 Hz	60 Hz	60 Hz	—	On/Off	—	Separate, Composite, Sync-On-Green, DVI-D
117 [4]	All	60, 72, 75 Hz	56, 60, 72, 75 Hz	60, 70, 75 Hz	60 Hz	60, 75 Hz	—	60 Hz	—	On/Off	—	Separate, Composite, Sync-On-Green, DVI-D
121 [4]	All	60, 72, 75 Hz	56, 60, 72, 75 Hz	60, 70, 75 Hz	60 Hz	60, 75 Hz	—	60 Hz	—	On/Off	Digital Processor, Picture-In-Picture	Separate, Composite, Sync-On-Green, DVI-D
125	848	60, 72, 75 Hz	56, 60, 72, 75 Hz	60, 70, 75 Hz	60 Hz	60, 75 Hz	60 Hz	60 Hz	30, 60 Hz	On/Off	PIP, PBP (NTSC/PAL only)	VGA, DVI-I, HDMI, DisplayPort

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

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

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

5 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 [5]	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)
125	On-screen Displays Navigated by 8-button Membrane Pad	Volume, Brightness, Contrast, Saturation, Hue, Sharpness, Backlight Brightness, Display Mode, Input Signal, Aspect Size (Scaling), Information	Image Rotate, Color Temperature, Gamma, Color Effect, Color Format, OSD (Position, Timeout, Language, Transparency, Rotate, Border Width, Border Color), Picture-In-Picture (PIP), Picture-By-Picture (PBP)

MTBF

	Display	LED Backlight [6]	LED Controller	Power Supply (Optional)
GD-06X-103	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
GD-08S-166	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
GD-10V-212	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
GD-10X-224	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
GD-12S-304	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
GD-12X-305	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
CMG-15X-408	50,000 Hours (Minimum)	> 50,000 Hours (Typical)	182,000 Hours (Minimum)	Depends on Supply Selected
CMG-15X-409	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
CMG-17W-510	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
GD-17D-524	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
CMG-19W-701	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
CMG-19W-703	50,000 Hours (Minimum)	30,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
CMG-20U-845	> 50,000 Hours (Typical)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
CMG-22D-813	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
CMG-24D-819	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
GD-24K-848	50,000 Hours (Minimum)	30,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected

6 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 is not the life expectancy of the backlight.*

ENVIRONMENTAL

	Temperature, Operating	Temperature, Storage	Humidity, Operating	Humidity, Storage	Altitude, Operating	Altitude, Storage
GD-06X-103	-20° C to 70° C	-30° C to 80° C	10% to 90% RH Non-condensing	10% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
GD-08S-166	-30° C to 85° C	-30° C to 85° C	10% to 90% RH Non-condensing	10% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
GD-10V-212	-30° C to 80° C	-30° C to 80° C	10% to 90% RH Non-condensing	10% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
GD-10X-224	-30° C to 70° C	-30° C to 80° C	20% to 90% RH Non-condensing	10% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
GD-12S-304	-30° C to 80° C	-30° C to 85° C	20% to 90% RH Non-condensing	10% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
GD-12X-305	-30° C to 80° C	-40° C to 85° C	20% to 90% RH Non-condensing	10% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
CMG-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
CMG-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
CMG-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
GD-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
CMG-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
CMG-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
CMG-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
CMG-22D-813	0° C to 60° C	-20° C to 60° C	5% to 90% RH Non-condensing	5% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
CMG-24D-819	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
GD-24K-848	0° C to 50° C	-20° C to 60° C	20% to 90% RH Non-condensing	10% to 90% RH Non-condensing	10,000 Feet	30,000 Feet

MECHANICAL

	Dimensions (H x W x D) [7]	Construction	Finish	Mounting Holes	Weight, Operating [8]	Weight, Shipping [8]
GD-06X-103	7.50" x 9.25" x 1.43"	5052-H32 Aluminum	Black Matte Powder Coat	VESA Standard, 75 mm, 4 places, rear	7 Pounds	12 Pounds
GD-08S-166	7.50" x 10.50" x 1.48"	5052-H32 Aluminum	Black Matte Powder Coat	VESA Standard, 75 mm, 4 places, rear	9 Pounds	14 Pounds
GD-10V-212	9.50" x 11.63" x 2.50"	5052-H32 Aluminum	Black Matte Powder Coat	VESA Standard, 75 mm, 4 places, rear	11 Pounds	16 Pounds
GD-10X-224	8.81" x 11.81" x 1.38"	5052-H32 Aluminum	Black Matte Powder Coat	VESA Standard, 75 mm, 4 places, rear	11 Pounds	16 Pounds
GD-12S-304	9.00" x 14.00" x 2.04"	5052-H32 Aluminum	Black Matte Powder Coat	VESA Standard, 75 mm, 4 places, rear	13 Pounds	18 Pounds
GD-12X-305	9.00" x 14.00" x 2.04"	5052-H32 Aluminum	Black Matte Powder Coat	VESA Standard, 75 mm, 4 places, rear	13 Pounds	18 Pounds
CMG-15X-408	11.22" x 14.22" x 1.99"	5052-H32 Aluminum	Black Matte Powder Coat	VESA Standard, 75 & 100 mm, 4 places (x2), rear	15 Pounds	20 Pounds
CMG-15X-409	11.22" x 14.22" x 1.99"	5052-H32 Aluminum	Black Matte Powder Coat	VESA Standard, 75 & 100 mm, 4 places (x2), rear	15 Pounds	20 Pounds
CMG-17W-510	12.18" x 16.23" x 2.22"	5052-H32 Aluminum	Black Matte Powder Coat	VESA Standard, 100 mm, 4 places, rear	16 Pounds	21 Pounds
GD-17D-524	Pending	5052-H32 Aluminum	Black Matte Powder Coat	VESA Standard, 100 mm, 4 places, rear	16 Pounds	21 Pounds
CMG-19W-701	13.12" x 16.04" x 2.94"	5052-H32 Aluminum	Black Matte Powder Coat	VESA Standard, 100 mm, 4 places, rear	19 Pounds	29 Pounds
CMG-19W-703	13.12" x 16.04" x 2.94"	5052-H32 Aluminum	Black Matte Powder Coat	VESA Standard, 100 mm, 4 places, rear	19 Pounds	29 Pounds
CMG-20U-845	15.30" x 21.7" x 2.50"	5052-H32 Aluminum	Black Matte Powder Coat	VESA Standard, 100 mm, 4 places, rear	21 Pounds	31 Pounds
CMG-22D-813	Pending	5052-H32 Aluminum	Black Matte Powder Coat	VESA Standard, 100 mm, 4 places, rear	24 Pounds	34 Pounds
CMG-24D-819	Pending	5052-H32 Aluminum	Black Matte Powder Coat	VESA Standard, 100 mm, 4 places, rear	25 Pounds	35 Pounds
GD-24K-848	Pending	5052-H32 Aluminum	Black Matte Powder Coat	VESA Standard, 100 mm, 4 places, rear	25 Pounds	35 Pounds

7 An Attached Power Supply will add approximately 2.0"–2.5" to the overall depth of the unit.

8 Add 2 pounds to the weight when a Separate Power Supply is included.

I/O CONNECTIONS

	Power	Analog Video	On/Standby (DC)	S-Video (Optional)	Composite Video (Optional)	Serial/Touchscreen (Optional)	DVI (Optional)	Other
GD-06X-103	2-pin, 0.156" sp., Molex	High Density 15-pin Socket	Button on OSD PCB	4-pin Mini DIN	RCA Jack	DE-9, Socket	DVI-D	HDMI
GD-08S-166	2-pin, 0.156" sp., Molex	High Density 15-pin Socket	Button on OSD PCB	4-pin Mini DIN	RCA Jack	DE-9, Socket	DVI-D	HDMI
GD-10V-212	2-pin, 0.156" sp., Molex	High Density 15-pin Socket	Button on OSD PCB	4-pin Mini DIN	RCA Jack	DE-9, Socket	DVI-D	HDMI
GD-10X-224	2-pin, 0.156" sp., Molex	High Density 15-pin Socket	Button on OSD PCB	4-pin Mini DIN	RCA Jack	DE-9, Socket	DVI-D	HDMI
GD-12S-304	2-pin, 0.156" sp., Molex	High Density 15-pin Socket	Button on OSD PCB	4-pin Mini DIN	RCA Jack	DE-9, Socket	DVI-D	HDMI
GD-12X-305	2-pin, 0.156" sp., Molex	High Density 15-pin Socket	Button on OSD PCB	4-pin Mini DIN	RCA Jack	DE-9, Socket	DVI-D	HDMI
CMG-15X-408	2W2 D-sub.	High Density 15-pin Socket	LED on Membrane Pad	4-pin Mini DIN	RCA Jack	DE-9, Socket	DVI-D	HDMI
CMG-15X-409	2W2 D-sub.	High Density 15-pin Socket	LED on Membrane Pad	4-pin Mini DIN	RCA Jack	DE-9, Socket	DVI-D	HDMI
CMG-17W-510	2W2 D-sub.	High Density 15-pin Socket	LED on Membrane Pad	4-pin Mini DIN	RCA Jack	DE-9, Socket	DVI-D	HDMI
GD-17D-524	2W2 D-sub.	High Density 15-pin Socket	LED on Membrane Pad	4-pin Mini DIN	RCA Jack	DE-9, Socket	DVI-D	HDMI
CMG-19W-701	2W2 D-sub.	High Density 15-pin Socket	LED on Membrane Pad	4-pin Mini DIN	RCA Jack	DE-9, Socket	DVI-D	HDMI
CMG-19W-703	2W2 D-sub.	High Density 15-pin Socket	LED on Membrane Pad	4-pin Mini DIN	RCA Jack	DE-9, Socket	DVI-D	HDMI
CMG-20U-845	2W2 D-sub.	High Density 15-pin Socket	LED on Membrane Pad	4-pin Mini DIN	RCA Jack	DE-9, Socket	DVI-D	HDMI
CMG-22D-813	2W2 D-sub.	High Density 15-pin Socket	LED on Membrane Pad	4-pin Mini DIN	RCA Jack	DE-9, Socket	DVI-D	HDMI
CMG-24D-819	2W2 D-sub.	High Density 15-pin Socket	LED on Membrane Pad	4-pin Mini DIN	RCA Jack	DE-9, Socket	DVI-D	HDMI
GD-24K-848	2W2 D-sub.	High Density 15-pin Socket	LED on Membrane Pad	–	–	–	DVI-I	HDMI, DisplayPort

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

gg	Description	gg	Description
00	None	35	Capacitive Touch Screen, Ideal Etch
02	Clear Float Glass, Antiglare Etch Two Sides	51	Resistive Touch Screen
04	Clear Float Glass, Antireflective Coating Two Sides	65	Resistive Touch Screen, 5-Wire, with Laminated ITO Glass
21	Vandal Shield, Polycarbonate or Acrylic		
23	Vandal Shield, Clear Float Glass, Antiglare Etch Two Sides, 2 Panes Bonded (Laminated) Together (Not Bonded to LCD)		
24	Vandal Shield, Soda Lime Glass, Chemically Strengthened (Tempered), Antireflective Coating Two Sides		

POWER SUPPLY [9]

hij	Input Voltage Range	Output					Frequency Range	Line Entry Module/Filter	Power Factor
		6.4"/8.4"/10.4"/12.1"	15.0"/17.0"/19.0"	20.1"/21.5"	23.8"	24.0"			
EP01 (Rear Mount)	85–264 VAC	50 W/ +12 VDC	50 W/ +12 VDC (15" Only)	–	–	–	47–63 Hz	Yes	0.95
EP02 (Rear Mount)	85–264 VAC	–	75 W/ +12 VDC	–	–	–	47–63 Hz	Yes	0.95
EP03 (Rear Mount)	85–264 VAC	–	100 W/ +12 VDC	–	–	–	47–63 Hz	Yes	0.95
EP07 (Rear Mount)	85–264 VAC	–	–	150 W/ +12 VDC	–	150 W/ +12 VDC	47–63 Hz	Yes	0.99
IA04 (Internal)	85–132, 170–264 VAC	–	–	100 W/ +12 VDC	–	–	47–63 Hz	Yes	–
IP14 (Internal)	85–264 VAC	–	–	–	75 W/ +24 VDC	–	47–63 Hz	Yes	0.99
SA30 (Separate)	90–264 VAC	66 W/ +12 VDC	–	–	–	–	47–63 Hz	–	–
SP31 (Separate)	90–264 VAC	100 W/ +12 VDC	100 W/ +12 VDC	100 W/ +12 VDC	–	–	47–63 Hz	–	0.95
90-186 (Separate) [10]	90–264 VAC	66 W/ +12 VDC	–	–	–	–	47–63 Hz	–	–
0092 (None)	+12 VDC	Filtering and regulation provided by customer (default selection)							

9 Includes 67" AC Power Cable.

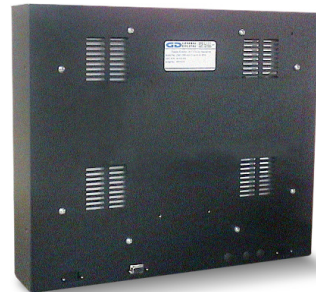
10 Must be ordered as a separate line item.

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
Power Supplies	AC and DC Supplies; Various Input Ranges, Input Frequencies; Separate or Attached; Power Factor Correction; AC and DC Power Cables
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



Rear View of Saber Standalone 19" shown with and without Rear Attached Power Supply



MODEL NUMBER CONFIGURATOR [11]

Model Style	Size & Resolution (aab)	Display (ccc)	Video Controller (ddd)	Keyboard/Pointer (ee)	Industrial Enclosure (ff)	Display Overlay (gg)	Power Supply (hijj)
GD-	06X-	103-	###-	00-	01-	##-	####
GD-	08S-	166-	###-	00-	01-	##-	####
GD-	10V-	212-	###-	00-	01-	##-	####
GD-	10X-	224-	###-	00-	01-	##-	####
GD-	12S-	304-	###-	00-	01-	##-	####
GD-	12X-	305-	###-	00-	01-	##-	####
CMG-	15X-	408-	###-	00-	01-	##-	####
CMG-	15X-	409-	###-	00-	01-	##-	####
CMG-	17W-	510-	###-	00-	01-	##-	####
GD-	17D-	524-	###-	00-	01-	##-	####
CMG-	19W-	701-	###-	00-	01-	##-	####
CMG-	19W-	703-	###-	00-	01-	##-	####
CMG-	20U-	845-	###-	00-	01-	##-	####
CMG-	22D-	813-	###-	00-	01-	##-	####
CMG-	24D-	819-	###-	00-	01-	##-	####
GD-	24K-	848-	###-	00-	01-	##-	####

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

ORDERING

Model Number [12]	Description
GD-06X-103- ddd -00-01- gg-hijj	Saber Standalone 6, Standard Industrial-/Military-Grade 6.5" XGA Standalone/Mountable LCD Monitor
GD-08S-166- ddd -00-01- gg-hijj	Saber Standalone 8, Standard Industrial-/Military-Grade 8.4" SVGA Standalone/Mountable LCD Monitor
GD-10V-212- ddd -00-01- gg-hijj	Saber Standalone 10, Standard Industrial-/Military-Grade 10.4" VGA Standalone/Mountable LCD Monitor
GD-10X-224- ddd -00-01- gg-hijj	Saber Standalone 10, Standard Industrial-/Military-Grade 10.4" XGA Standalone/Mountable LCD Monitor
GD-12S-304- ddd -00-01- gg-hijj	Saber Standalone 12, Standard Industrial-/Military-Grade 12.1" SVGA Standalone/Mountable LCD Monitor
GD-12X-305- ddd -00-01- gg-hijj	Saber Standalone 12, Standard Industrial-/Military-Grade 12.1" XGA Standalone/Mountable LCD Monitor
CMG-15X-408- ddd -00-01- gg-hijj	Saber Standalone 15, Standard Industrial-/Military-Grade 15.0" XGA Standalone/Mountable LCD Monitor
CMG-15X-409- ddd -00-01- gg-hijj	Saber Standalone 15, Standard Industrial-/Military-Grade 15.0" XGA Standalone/Mountable LCD Monitor
CMG-17W-510- ddd -00-01- gg-hijj	Saber Standalone 17, Standard Industrial-/Military-Grade 17.0" SXGA Standalone/Mountable LCD Monitor
GD-17D-524- ddd -00-01- gg-hijj	Saber Standalone 17, Standard Industrial-/Military-Grade 17.3" WUXGA Standalone/Mountable LCD Monitor
CMG-19W-701- ddd -00-01- gg-hijj	Saber Standalone 19, Standard Industrial-/Military-Grade 19.0" SXGA Standalone/Mountable LCD Monitor
CMG-19W-703- ddd -00-01- gg-hijj	Saber Standalone 19, Standard Industrial-/Military-Grade 19.0" SXGA Standalone/Mountable LCD Monitor
CMG-20U-845- ddd -00-01- gg-hijj	Saber Standalone 20, Standard Industrial-/Military-Grade 20.1" UXGA Standalone/Mountable LCD Monitor
CMG-22D-813- ddd -00-01- gg-hijj	Saber Standalone 22, Standard Industrial-/Military-Grade 21.5" WUXGA Standalone/Mountable LCD Monitor
CMG-24D-819- ddd -00-01- gg-hijj	Saber Standalone 24, Standard Industrial-/Military-Grade 24.0" WUXGA Standalone/Mountable LCD Monitor
GD-24K-848- ddd -00-01- gg-hijj	Saber Standalone 24, Standard Industrial-/Military-Grade 23.8" 4K UHD Standalone/Mountable LCD Monitor

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