

SG10 XG10

Datalux Displays

- Compact and Rugged
- All-Metal Enclosure
- Completely Sealed

SG10 SVGA Display

- 800 x 600 resolution
- 350 nits luminance
(300 w/touch screen)
- Contrast ratio 350:1

XG10 XGA Display

- 1024 x 768 resolution
- 590 nits luminance
(500 w/touch screen)
- Contrast ratio 450:1

Touch Screen Options

- Resistive (5-wire)
- Capacitive (5-wire)
- No touch screen
- Touch screen reduces display luminance*

Key Features

- USB or RS232 touch interface
- 75mm VESA mounting
- Wide power range supported – 120V AC adapter, 8-18VDC, or 12V vehicular power



Rugged Sealed 10.4" LCD Display



The Datalux SG10 and XG10 LCD monitor product is specifically designed and engineered for demanding environments, including embedded equipment and industrial environments, automotive, public safety and security applications.

The end user has complete control over the presentation capabilities of the display. The SG10 and XG10 were both designed based upon various industry standards to easily enable integration into a variety of applications.

The SG10 and XG10 both are capable of accepting a wide range of DC power inputs, from 8 to 18 volts or can operate from the supplied AC adapter. An optional wiring harness is available to connect to your own DC power supply. The SG10/XG10 can also be powered by nominal 12 V vehicle power. Front panel controls include power on/off, brightness and instant backlight on/off.

The SG10/XG10 can be adapted to a variety of VESA standard mounts and Datalux also offers several customized mounts.

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SG10 XG10

10.4" LCD Display

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Rear view of the Datalux 10.4" monitor shows locking power connector and communications connector, VGA connector and USB connector. When in use, the control panel would normally be covered and sealed. Standard 75mm VESA mounting holes are supplied along with holes for Datalux locking clamp. All connectors and cables exit from a bottom recess on the back of the display.

SG10 and XG10 Specifications

Display Diagonal Size	10.4" / 26.4cm
Construction	Cast aluminum alloy
Weight	4.7lbs / 2.1kg
Voltage requirement	Wide input, 8-18VDC (or nominal 12VDC vehicle power)
AC Adaptor	90-260 VAC, 1.6A input, 12 VDC output
Dimensions	10.75" x 8.38" x 1.93" (273mm x 213mm x 49mm)
Touch Technology Options	5-Wire resistive with anti-glare coating or Capacitive with anti-glare coating
Interface Options	USB 2.0 w/ integrated audio and local USB port or RS-232 Serial
Other Options	Controls accessible only from rear panel (dead front) Complete sealing to IP67 (call for availability)
Video Input	VGA, HD15-Pin D-Sub
Power Consumption	<24W
Operating Temperature	0°C to +55°C
Storage Temperature	-20°C to +60°C
Compliance/Certification	RoHS compliant per EU Directive 2002/95/EC, CE/FCC Class A, designed to minimum IP54

XG10

Resolution	Native XGA, 1024x768 (with scaling for lower resolutions)
Luminance	590 nits w/anti-glare glass, 500 nits w/touch sensor
Contrast Ratio	450:1
Viewing Angle	80 ° from all sides

SG10

Resolution	Native SVGA, 800x600 (with scaling for lower resolutions)
Luminance	350 nits w/anti-glare glass, 300 nits w/touch sensor
Contrast Ratio	350:1
Viewing Angle	40° from top, 60° from all other sides