

XG12 XG12i

Datalux Displays

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

XG12 XGA Display

- 1024 x 768 resolution
- 380 nits luminance
(320 w/touch screen)
- Contrast ratio 600:1

XG12i XGA Display

- 1024 x 768 resolution
- 1000 nits luminance
(800 w/touch screen)
- Contrast ratio 600:1

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 12.1" LCD Display



The Datalux XG12 and XG12i LCD monitor products are specifically designed and engineered for demanding environments, including embedded equipment, industrial environments, automotive, public safety and security applications.

The end user has complete control over the presentation capabilities of the display. The XG12 and XG12i were both designed based upon industry standards to easily enable integration into a variety of applications.

The XG12 and XG12i are capable of accepting a wide range of DC power inputs, from 8 to 18 volts or can operate from an optional AC adapter. An optional wiring harness is available to connect to your own DC power supply. The XG12 and XG12i can also be powered by nominal 12 Volt vehicle power. Front panel controls include power on/off, brightness and instant backlight on/off. Both the XG12 and XG12i displays deliver a high 600:1 contrast ratio. The monitors use a protected industrial grade LCD module with replaceable backlights. The speaker utilizes a membrane to prevent the ingress of moisture.

The XG12 and XG12i can be adapted to a variety of VESA standard mounts and Datalux also offers several customized mounts.

The XG12i offers an extremely bright display, readable outdoors even in daylight. Combined with the ability to use vehicle power, the XG12i provides an excellent solution for mobile installation.

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DATALUX

XG12

XG12i

12.1" LCD Display

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Rear view of the Datalux 12.1" 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.

XG12 and XG12i Specifications

Display Diagonal Size	12.1" / 30.7 cm viewing area, 4:3 aspect ration
Construction	Fully metallic die-cast aluminum alloy
Weight	6.2 lbs / 2.8 kg nominal
Voltage requirement	Wide input, 8-18VDC (or nominal 12VDC vehicle power)
Optional AC Adaptor	100-240VAC, 1.6A input, 12 VDC output @ 4.17A (50W)
Dimensions	12.05" x 9.83" x 1.85" (306 mm x 250 mm x 47 mm)
Touch Technology Options	5-Wire resistive <i>or</i> Capacitive with anti-glare coating
Interface Options	USB2.0 w/integrated audio & local USB port <i>or</i> RS-232
Other Options	Controls accessible only from rear panel (dead front) Complete sealing to IP67 (call for availability)
Dual USB Speakers	Sealed speakers (with USB touch screen option only)
Video Input	VGA, HD15-Pin D-Sub
Power Consumption	<24W at maximum brightness
Operating Temperature	0°C to +55°C
Storage Temperature	-20°C to +80°C
Compliance/Certification	RoHS compliant per EU Directive 2002/95/EC, CE Class A, FCC Class A, designed to minimum IP54

XG12

Resolution	Native XGA, 1024x768 (with scaling for lower resolutions)
Luminance	380 nits w/anti-glare glass, 320 nits w/touch sensor
Contrast Ratio	600:1
Viewing Angle	70° from sides, 45° up side, 55° down side

XG12i

Resolution	Native XGA, 1024x768 (with scaling for lower resolutions)
Luminance	1000 nits w/anti-glare glass, 800 nits w/touch sensor
Contrast Ratio	600:1
Viewing Angle	70° from sides, 45° up side, 55° down side