Features

- **Direct PC interface**
- **12 in flat panel monitor**
- **Arm or stand mounting w/75 mm VESA pattern**
- **Touchscreen options**
- **VGA or NTSC connect ready**

Function

This product is a high-performance industrial LCD monitor. It is designed for rapid integration into a wide variety of arm and stand mount mechanical configurations. It incorporates a high-performance active matrix LCD panel, an optional touchscreen internal video controller, and on screen menu pushbuttons. The innovative design allows a wide range of video inputs.

Technical data

Graphics/Video	
Video input	15-pin VGA
	Optional interface to NTSC (camera, live video) via standard BNC connector
Resolutions	800 x 600 (native mode), 640 x 480 text mode, SOG
Maximum resolution	1024 x 768 @ 60 Hz
Active viewing area	12.1 in diagonal
Color depth	18 bit (262K) color supported in any video mode
Viewing angle	70° horizontal, 45° vertical (up), 55° vertical (down)
Contrast ratio	600:1
Brightness	400 nit
Response rate	15 ms
Back lamp life	50,000 hrs typical half life, replaceable
Touchscreen	
System	Elo TouchSystems AccuTouch, 5-wire resistive system
Connection	RS-232 serial or USB port to host computer via standard cable
Supply	
Power	+12 VDC @ 1.2 A continuous*
Line regulation	+/- 0.2% or better
Load regulation	+/- 5% or better
Connection	180° 5-pin DIN
Mechanical specifications	
Outer dimensions	292 mm x 353 mm x 79 mm (11.5 in x 13.9 in x 3.1 in)
Material / finish	Steel with matte black polyurethane enamel finish
Mounting	75 mm standard VESA hole pattern
Weight	6.4 kg (14.1 lb)
Protection degree	NEMA Type 12
Ambient conditions	
Operating temperature	0 °C to +50 °C ambient, no active cooling devices required
Storage temperature	-20 °C to +60 °C
Humidity	5 % to 85 % non-condensing
Shock resistance	30 g 11 ms, all axes
Vibration resistance	5 Hz to 100 Hz, 19.6 m/s², all axes
Directive conformity	
Electromagnetic compatibility	
Directive 89/336/EEC	EN55022A, EN61000-6-2, EN61000-3-2, EN61000-3-3
Low voltage	
Directive 73/23/EEC	EN60950
Data for application in conjunction with general-purouse areas	
Certification	cULus Listed, E185778
Supplementary information	

Statement of conformity, declaration of conformity, and instructions must be observed.

For information, see www.pepperl-fuchs.com.

An external 12 VDC power supply is required as shown in the specifications. See page 2.

Subject to modifications without notice

Copyright Pepperl+Fuchs

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0002
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222
pa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
pa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS
PROTECTING YOUR PROCESS

1

Ordering information

Pepperl+Fuchs Part Number	Reference Part Number (Christensen Display Products)	Description
DM512-N0-GP-EN-N0	LX12-EN	12.1 in flat panel monitor – enclosed
DM512-A0-GP-EN-N0	LX12-EN-A	12.1 in flat panel monitor – enclosed, antiglare
DM512-TA-GP-EN-N0	LX12T EN-A	12.1 in flat panel monitor w/ resistive touchscreen – enclosed, antiglare
DM512-TH-GP-EN-N0	LX12T-EN-HR-A	12.1 in flat panel monitor w/ hardened resistive touchscreen – enclosed, antiglare
Optional accessories		
PS25D	PS25D	Power supply w/ connector
PSCBL6*	PSCBL6*	Power cable for customer provided power supply
VCBL6*	VCBL6*	Video cable
SCBL6*	SCBL6*	Serial touchscreen cable
UCBL6*	UCBL6*	USB touchscreen cable
TSP12-5	TSP12	Touchscreen protector, (5) pack, DM512 series

* A wide selection of power supplies and cables in a variety of lengths are available. Contact Pepperl+Fuchs for more information.

PEPPERL+FUCHS *PROTECTING YOUR PROCESS* **2**