



Christensen Display Products Inc

Advanced Flat Panel Technology for Industry

Product Specification

20" Industrial LCD Monitor



Overview

This product is a high performance industrial flat panel monitor. It is designed as an operator interface device for continuous use under heavy duty conditions. It incorporates a high performance active matrix LCD panel, an optional touchscreen, and will directly connect to any standard analog VGA video signal.

Graphics/Video

Graphics interface via standard HD15M video cable, up to 50 feet remote from video source

Multisync to any VESA standard VGA video signal

Multiscan from 60 to 75 Hz refresh inclusive (non interlaced)

Maximum supported resolution 1600 x 1200 (native mode)

Active viewing area 20.1" diagonal in all modes

24 bit (16.7 million) color supported in any video mode

User screen image adjustment via rear access buttons

- Auto Adjust
- Brightness, Contrast
- Horizontal and Vertical Position
- Horizontal Width
- Settings stored in NVRAM, no software required

Viewing angle 170 degrees horizontal, 170 degrees vertical

Contrast Ratio 500:1

Brightness 250 nit

Response rate 20 mSec

Backlamp typical half life - 50,000 hours

Touchscreen

LUX20T family incorporates the Elo Touchsystems AccuTouch 5 wire resistive system

Emulates a traditional mouse, can be used concurrently with a mouse

Interface via RS-232 Serial or USB port to host computer via standard cable

Power

This product requires a regulated external power source to provide power as follows:

+12 VDC 4.5 Amps Continuous

Output Line Regulation +/- .2% or better

Output Load Regulation +/- 5% or better

Connection is via 2 position screw terminal block on the rear of the product

Mechanical

Overall front bezel size	16.2" H x 20.2" W (412mm x 513mm)
Front bezel thickness	.10" (2.5 mm)
Total Depth	3.7" w/recessed cable ways (94 mm)
Rear enclosure cut out	14.9" H x 18.9" W (378 x 480 mm)
Mounting	Panel mount with 14 mounting clips
Weight	24 Pounds (10.9 Kg)

Environmental

Operating temperature	0 - 45 C ambient, no active cooling devices required
Humidity range	5 - 85% non-condensing
Storage temperature	-20 - 60 C
Shock	30g 6mSec, all axes
Vibration	5 - 100 Hz, 1g, 12 m/Sec ² , all axes

Agency Approvals

UL and cUL Listed (ITE 1950)
NEMA 4/12 (front face and seals)

Ordering Information

Part Number	Description
LUX20	20" Flat Panel Monitor, 1600 X 1200 (UXGA) Resolution, Clear
LUX20-A	20" Flat Panel Monitor, 1600 X 1200 (UXGA) Resolution, Antiglare
LUX20T-A	20" Flat Panel Monitor w/ Resistive Touchscreen, Serial Interface, Antiglare
LUX20T-U-A	20" Flat Panel Monitor w/ Resistive Touchscreen, USB Interface, Antiglare
PS100-LC	100 Watt DC Power Supply
VCBL10	10 Foot (3 Meter) Video Cable
SCBL10	10 Foot (3 Meter) Serial Touchscreen Cable
UCBL10	10 Foot (3 Meter) USB Touchscreen Cable

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