



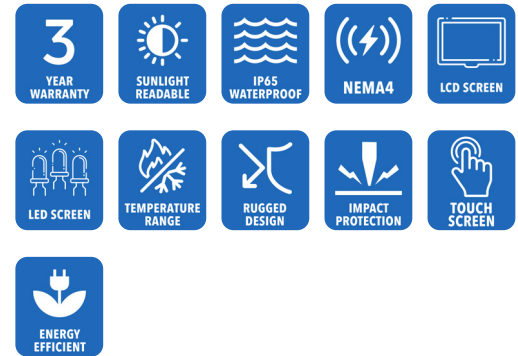
AbraxSys
RUGGED LCD SOLUTIONS

12.1" Industrial Grade Sunlight Readable High Brightness NEMA 4 (IP65) Panel Mount LCD Flat Panel Display

Model SRD-PM-121

Model SRD-PM-121 is a Second Generation Sunlight Readable High Brightness model and is a high-quality industrial LCD system offering NEMA 4 (IP65) level protection at the front bezel. The product boasts a 12" display size with 1024 x 768 pixels, 1200 NITS brightness (long-life LED backlight) and Ultra High Contrast Sun Readability 60:1 CR @10,000 Lux. This industrial grade Sunlight Readable NEMA 4 IP65 LCD TFT monitor is designed for use throughout a wide range of harsh outdoor applications.

These rugged LCD displays are rigorously tested to ensure compliance with various industry standards and are engineered to withstand the effects of severe environments such as water, dust and dirt intrusion. These products perform well beyond ordinary 'commercial' type monitors. AbraxSys' high bright Sunlight Readable LCDs are ideal for use in any high ambient light condition, and will give you the intensity and brilliance your application requires.



Technical Specifications

General

Model:

SRD-PM-121

Display Size

12.1"

Display Type

Long-Life Industrial Grade Active Matrix TFT LCD

Backlight Technology

Solid State, Long-Life LED

Optical Films Enhancements

Boosts efficiency of the backlight's light utilization and minimizes the surface reflection of ambient light. The result is a transmissive enhancement that features higher contrast and a wider range of colors, even in bright outdoor light, than traditional reflective LCDs.

Brightness

1200 nits (cd/m²)

Dimming Capabilities

Deep Dimming Down to Black

Contrast Ratio

Ultra High Contrast Sun Readability 60:1 CR @10,000 Lux

Aspect Ratio

4:3

Resolution

1024 x 768 (XGA) Native

Colors Supported

16.2 Million

Viewing Angles

-85° to 85° Horizontal
-85° to 85° Vertical

Video Inputs

DVI, HD15 (VGA), HDMI, DisplayPort

User Controls

Front Keypad (can also be configured for rear controls, or Manual Full-Range Dimming Turn Pot, Automatic Dimming Sensor, or Remote Dimming), Deep Dimming Down to Black

Optical Bonding

Optional Optical Bonding of Front Protective Glass or Touch Screen Window

Protective Window

3mm Hardened Protective Window, for more information [CLICK HERE](#) (also available various optional Touch Screen Technologies)

Power Types

90 VAC to 264 VAC; 12V DC; 24V DC; 9 to 36V DC; or 20 to 53V DC

Physical Attributes

Front Bezel

High Grade 6061T Aluminum, Electrochemical Anodized for added Corrosion Resistance, Black Textured Finish per Military Standards FED-STD-595

Rear Enclosure

High Grade 6061T Aluminum, Electrochemical Anodized for added Corrosion Resistance, Black Textured Finish per Military Standards FED-STD-595

Panel Mounting

10-32 Stainless mounting studs, 1/2" exposed thread

Overall Dimensions

13.13 x 11.08 x 1.99 in
(335.50 x 281.43 x 50.75mm)

Cutout

10.5 x 12.5 in (266.7 x 317.5mm)

Sealability

NEMA 4X (IP66)

Sunlight Readability

The latest optical technology for high ambient light conditions

Warranty Period

3 Years

Environmental

Sunlight Readability

The latest optical technology for high ambient light conditions

Operating Temperature Range

-30°C to 85°C (-22°F to 185°F)

Storage Temperature

-40°C to 85°C (-40°F to 185°F)

Humidity

5% to 95% RH (non-condensing)

Shock

Operating: 30g's, 11ms, ½ Sine

Vibration

1g RMS 20-500Hz

Fasteners

Vibration-proof, self-locking, fastener system

EMI

FCC Class B pursuant to Part 15 of the FCC Rules

Agency Compliance

CE

Altitude

Operating 0 to 10,000 ft.
Storage 0 to 40,000 ft.

RoHS Compliant

Yes

Rating

NEMA 4 / IP65

Additional Add-On Options

Touch Screen Technology

Resistive

Hardened Armored Touch Technology

Video Input Options

DVI, HD15 (VGA), DisplayPort, and/or HDMI

Custom Video Modes

Power Type Choices

90 VAC to 264 VAC; 12V DC; 24V DC; 9 to 36V DC; or 20 to 53V DC

Extended Operational Temperature Ranges

Dimming Capabilities

Standard, or Optional Full-Range Manual Turn-Pot, Automatic Dimming Sensor, Remote Dimming

Customization Services

NEMA 4X IP66 Stainless Steel Front Bezel

Conformal Coating of all Internal Circuit Boards

Private Labeling Services

