



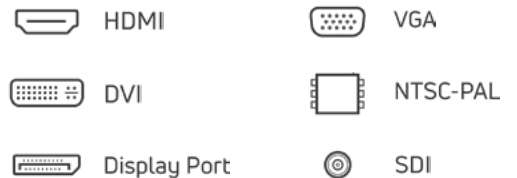
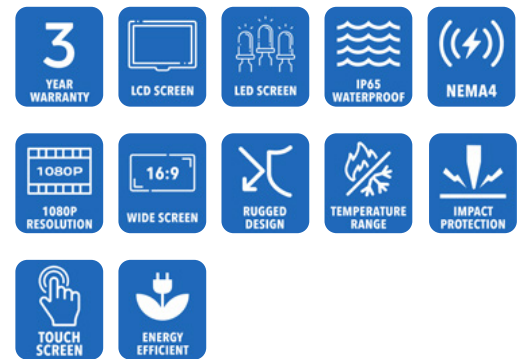
**AbraxSys**  
RUGGED LCD SOLUTIONS

# 21.5" Industrial NEMA 4 (IP65) Panel Mount Display Monitor

Model PM-215

AbraxSys Daylight Readable Industrial LCD Flat Panel Displays has been designed for industrial applications in the Control field and other users that require a 1920 x 1080 (1080P) compatible monitor with a small footprint, bright display with good viewing angles. The rugged, metal construction of the monitor ensures exceptional stability, especially important when touchscreen operation is necessary.

Model PM-215 LCD monitor is a NEMA 4 (IP65) rated product and utilizes the latest 21.5" 1920 x 1080 (1080P) High-Def WIDE TFT Flat Panel. AbraxSys has added a versatile Analog-Digital interface board, backlight inverter and OSD controls. All elements, including a toughened glass protective screen have been packaged in a compact, rugged metal housing. The result is a flexible Display Head, ready for integration as part of any system; as an analog monitor, or a touchscreen driven human-machine interface.



# Technical Specifications

---

## General

**Model:**  
SRD-PM-215

**Display Size**  
21.5"

**Display Type**  
Long-Life Industrial Grade Active Matrix TFT LCD

**Backlight Technology**  
Solid State, Long-Life LED  
[CLICK HERE](#) for more information

**Brightness**  
300 nits (cd/m2)

**Dimming Capabilities**  
User Keypad (standard); Optional: Manual Full-Range, Automatic Dimming, or Remote Dimming

**Contrast Ratio**  
5000:1

**Aspect Ratio**  
16:9

**Resolution**  
1920 x 1080 (1080p)  
True High-Definition

**Colors Supported**  
16.7M (8-bit/color)

**Viewing Angles**  
-89° / 89° Horizontal  
-89° / 89° Vertical

**Video Inputs**  
DVI, HD15 (VGA), HDMI, DisplayPort, S-Video, SDI, Composite

**User Controls**  
Front Keypad (can also be configured for rear controls)

**Optical Bonding**  
[Optical Bonding](#)

**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**  
See Drawing

**Cutout**  
See Drawing

**Weight**  
See Drawings

**Sealability**  
NEMA 4 (IP65)

**Sunlight Readability**  
Sunlight Readable Model Available

**Warranty Period**  
3 Years

---

## Environmental

**Sunlight Readability**  
Sunlight Readable Model Available

**Operating Temperature Range**  
-20°C to 70°C (-4°F to 158°F)

**Storage Temperature**  
-20°C to 70°C (-4°F to 158°F)

**Humidity**

5% to 95% RH (non-condensing)

**Shock**

Operating: 30g's, 11ms, ½ Sine

**Vibration**

1g RMS 20-500Hz

**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**

NEMA 4 – IP65

**Resistive****Multi-Touch Up to 10-Point PCAP****Hardened Armored Touch Technology****Video Input Options**

DVI, HD15 (VGA), DisplayPort, HDMI, Composite, S-Video, HD-SDI, and/or NTSC-PAL

**Custom Video Modes****Extended Operational Temperature Ranges****Conformal Coating of all Internal Circuit Boards****Private Labeling Services****Customization Services****Optical Bonding****Sunlight Readable Model Available**

