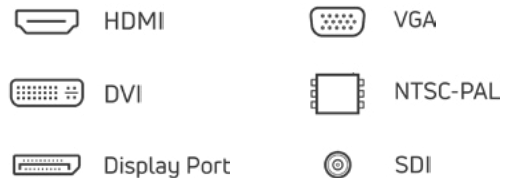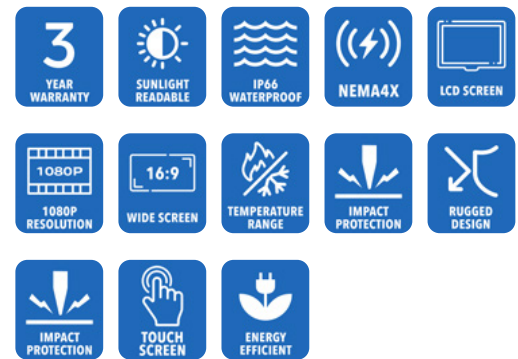# 18.5" Sunlight Readable NEMA 4X (IP66) Industrial-Grade Wide Format 1080P Panel Mount LCD Monitor

Model SRD-PS-185

Model SRD-PS-185 LCD monitor is a true daylight readable high brightness NEMA 4X (IP66) rated product and utilizes the latest 18.5" 1920 x 1080 resolution TFT Flat Panels. 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 with a gasket-sealed stainless steel front bezel. 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.

This industrial grade Sunlight Readable NEMA 4X IP66 LCD TFT monitor is designed for use throughout a wide range of harsh outdoor applications. These rugged daytime viewable 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.

3 YEAR WARRANTY	SUNLIGHT READABLE	IP66 WATERPROOF	NEMA4X	LCD SCREEN
1080P RESOLUTION	16:9 WIDE SCREEN	TEMPERATURE RANGE	IMPACT PROTECTION	RUGGED DESIGN
IMPACT PROTECTION	TOUCH SCREEN	ENERGY EFFICIENT		

HDMI		VGA	
DVI		NTSC-PAL	
Display Port		SDI	

Technical Specifications

General

Model:
SRD-PS-185

Display Size
18.5"

Display Type
Long-Life Industrial Grade LCD

Backlight Technology
Solid State, Long-Life LED, with Light Source Redundancy

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
1500 nits (cd/m2)

Contrast Ratio
1000:1

Aspect Ratio
16:9

Resolution
1920 x 1080 (1080p)

Colors Supported
16.7M (8-bit/color)

Viewing Angles
-88° / 88° Horizontal
-88° / 88° Vertical

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

User Controls
Front Keypad (can also be configured for rear controls, or Manual Full-Range Dimming Turn Pot, Automatic Dimming Sensor, or Remote Dimming)

Protective Window
3mm Sparkle Free Front Protective Impact Window or Projected Capacitive Touch Screen

Power Types
90 VAC to 264 VAC, 12V DC, 24V DC, 9 to 36V DC, 20 to 53V DC

Physical Attributes

Front Bezel
Gasket-Sealed Stainless Steel

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

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
-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

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 4X / IP66

Additional Add-On Options

Touch Screen Technology

Resistive

Hardened Armored Touch Technology

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

Custom Video Modes

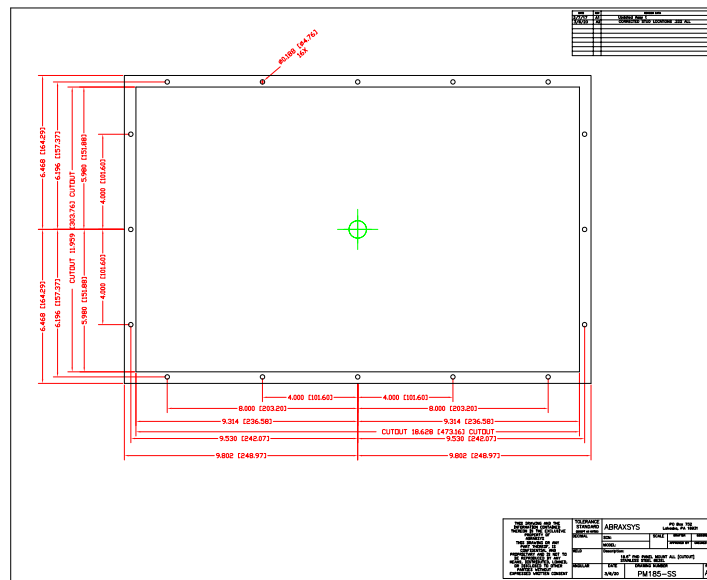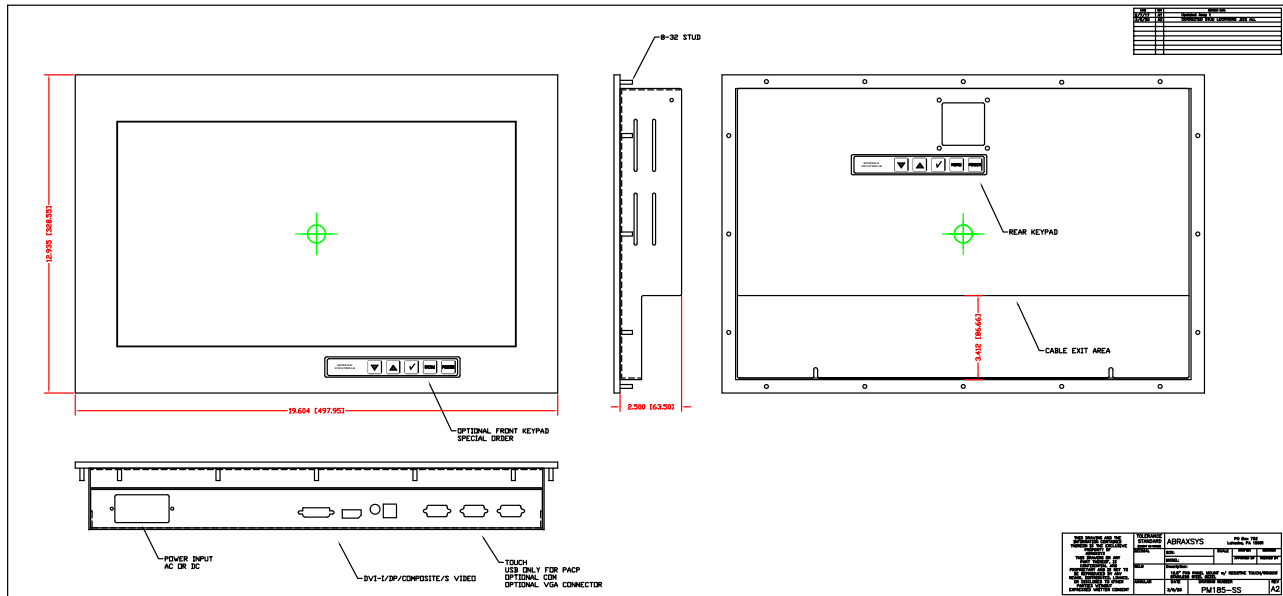**Extended Operational Temperature Ranges**

NEMA 4 IP65 Black Powder-Coated Aluminum Front Bezel

Customization Services

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

Conformal Coating of all Internal Circuit Boards

Private Labeling Services

Mechanical Drawings

These technical and mechanical resources are subject to change without notice.