



AbraxSys
RUGGED LCD SOLUTIONS

19.5" Sunlight Readable High-Bright Industrial Grade NEMA 4 (IP65) Panel Mount LCD Monitor

Model SRD-PM-196

Model SRD-PM-196 is a high-quality industrial LCD system offering NEMA 4 (IP65) level protection at the front bezel. The product boasts a 19" display size with 1600 x 1200 pixels, 700 NITS brightness (long-life LED backlights) and 800:1 contrast ratio.

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-196

Display Size

19.6"

Display Type

Long-Life Industrial Grade Active Matrix TFT 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

700 nits (Optional Ultra-High Contrast Ratios up to 2000:1)

Dimming Capabilities

Front Keypad (can also be configured for rear controls)

Contrast Ratio

800:1

Aspect Ratio

4:3

Resolution

1600 x 1200 (UXGA)

Colors Supported

16.7M (8-bit/color)

Viewing Angles

-88° / 88° Horizontal
-88° / 88° Vertical

Video Inputs

HD15 (VGA), DVI-D (optional S-video & 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)

Optical Bonding

Optional Optical Bonding of Front Protective Glass or Touch Screen Window (for more information about its benefits [CLICK HERE](#))

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; 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

Weight

18 lbs. (8.1 Kg)

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

-10°C to 50°C (14°F to 122°F)

Storage Temperature

-20°C to 65°C (-4°F to 149°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

NEMA 4 – IP65

Custom Video Modes

Resistive

Extended Operational

Temperature Ranges

Multi-Touch Up to 10-Point PCAP

Hardened Armored Touch

Technology

Power Type Choices

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

Conformal Coating of all

Internal Circuit Boards

Private Labeling Services

Customization Services

Dimming Capabilities

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

UltraSlim 4K/60 HDMI 2.0

Extender over HDBaseT™ up to 330ft & PoH Extend pristine 4K/60 with HDR, 4:4:4 with bi-directional IR, RS-232 & LAN
[Click for More Info](#)

PCI Expansion

NEMA 4X IP66 Stainless

Steel Front Bezel

Optical Bonding

Sunlight Readable

Model Available

Dual Ethernet Ports

Operating Systems

Windows 10 IOT Enterprise

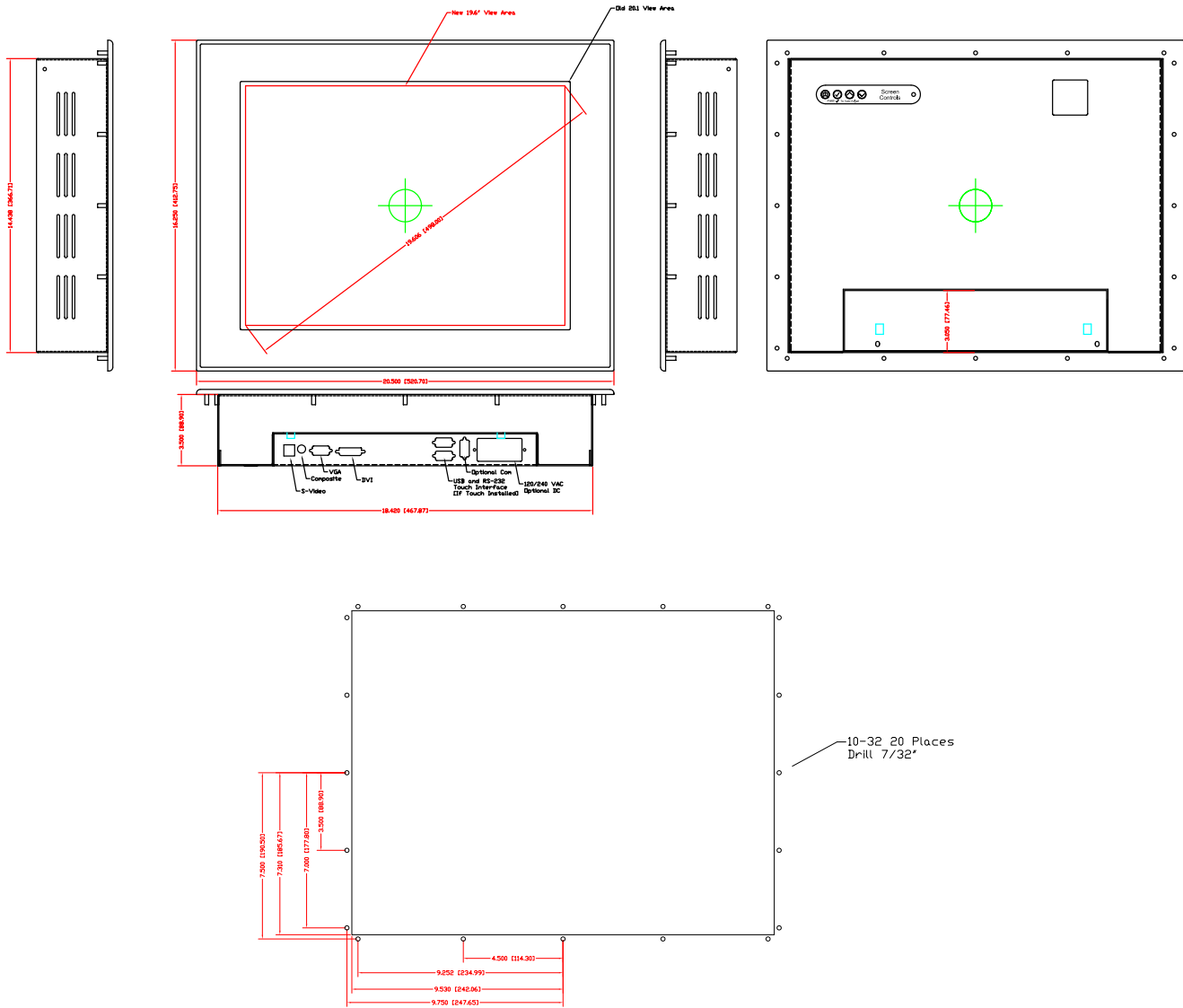
Larger Storage Devices

Dual Drive Support available

RAID Support

Wi-Fi (wireless networking technology)

Mechanical Drawings



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



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