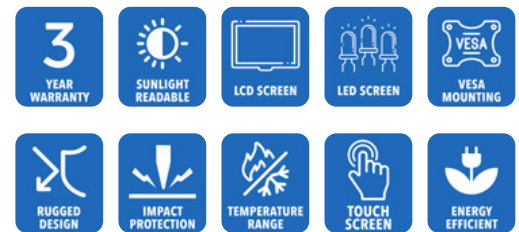# 17" Sunlight Readable High-Bright Industrial Grade NEMA 12 (IP52) Rugged Tabletop LCD Monitor

## Model SRD-T-170

Model SRD-T-170 LCD monitor is a true daylight readable high brightness NEMA 12 (IP52) rated product and utilizes the latest 17" SXGA 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. 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 12 IP52 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.

**3 YEAR WARRANTY**  **SUNLIGHT READABLE**  **LCD SCREEN**  **LED SCREEN**  **VESA MOUNTING**

**RUGGED DESIGN**  **IMPACT PROTECTION**  **TEMPERATURE RANGE**  **TOUCH SCREEN**  **ENERGY EFFICIENT**

HDMI          VGA

DVI           NTSC-PAL

Display Port  SDI

# Technical Specifications

## General

**Model**
SRD-T-170

**Display Size**
17.0"

**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**
1200 nits (cd/m2)

**Dimming Capabilities**
Deep Dimming Down to Black

**Contrast Ratio**
1000:1

**Aspect Ratio**
5:4

**Resolution**
1280 x 1024 (SXGA) Native

**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, 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; 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

**Sealability**
NEMA 12

**Overall Dimensions**
13.003 x 15.664 x 2.307 in

**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 70°C (-22°F to 158°F)

**Storage Temperature**
-30°C to 70°C (-22°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 12 / IP50

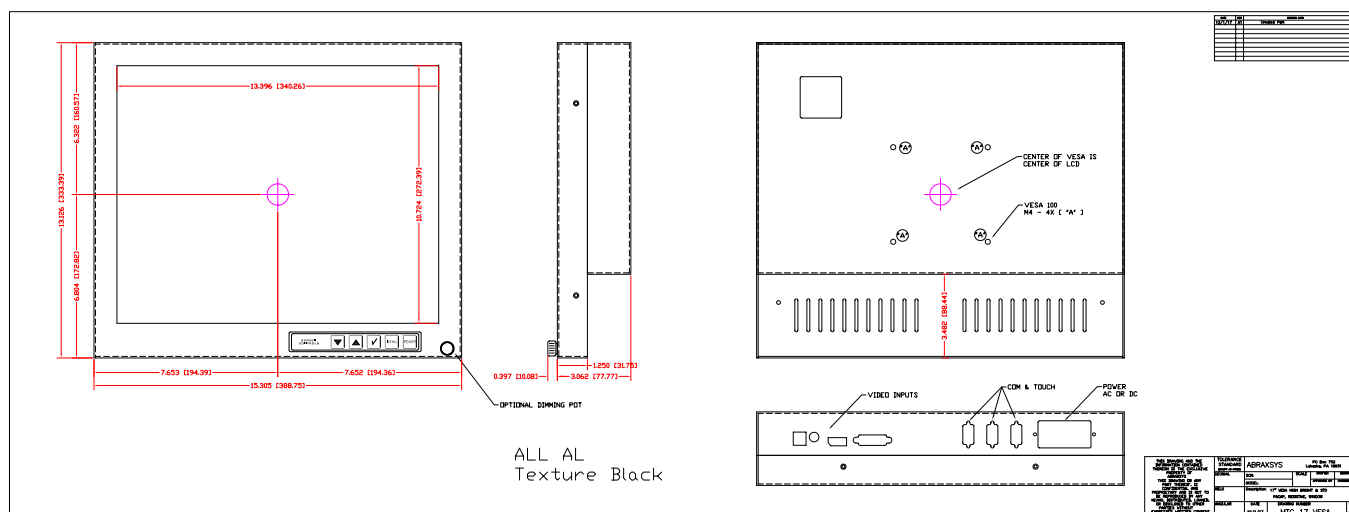---

## Additional Add-On Options

**Touch Screen Technology:**

**Resistive**

**Multi-Touch Up to 10-Point PCAP**

**Hardened Armored Touch Technology**

**Video Input Options**
DVI, HD15 (VGA), HDMI, DisplayPort, 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**

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

# Mechanical Drawings



ALL AL
Texture Black

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

AbraxSys
RUGGED LCD SOLUTIONS

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