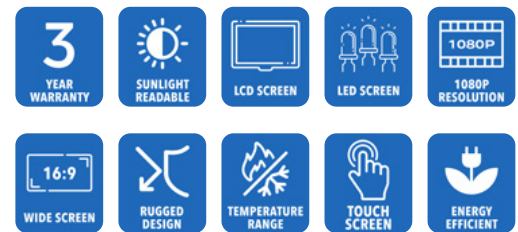# 21.5" Sunlight Readable Industrial Grade Open Frame Chassis Mount LCD Flat Panel Display

Model SRD-CM-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, ultra-high brightness display (1200 nits) with good viewing angles. The rugged, metal construction of the monitor ensures exceptional stability, especially important when touchscreen operation is necessary.

Model SRD-CM-215 LCD monitor is an open-frame, chassis mount design 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, lightweight aluminum chassis. 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.

3 YEAR WARRANTY · **SUNLIGHT READABLE** · **LCD SCREEN** · **LED SCREEN** · **1080P RESOLUTION**

16:9 WIDE SCREEN · **RUGGED DESIGN** · **TEMPERATURE RANGE** · **TOUCH SCREEN** · **ENERGY EFFICIENT**

HDMI   VGA

DVI   Display Port

NTSC-PAL

Technical Specifications

General

Model
SRD-CM-215

Display Size
21.5"

Display Type
Long-Life Industrial Grade LCD

Backlight Technology
Long-Life Industrial Grade Active Matrix TFT LCD

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

Contrast Ratio
4300:1

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

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

Rear Enclosure
High Grade Aluminum, Electrochemical Anodized for added Corrosion Resistance

Overall Dimensions
See Drawings

Weight
See Drawings

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 (158°F)

Storage Temperature
-20°C to +70°C (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

Additional Add-On Options
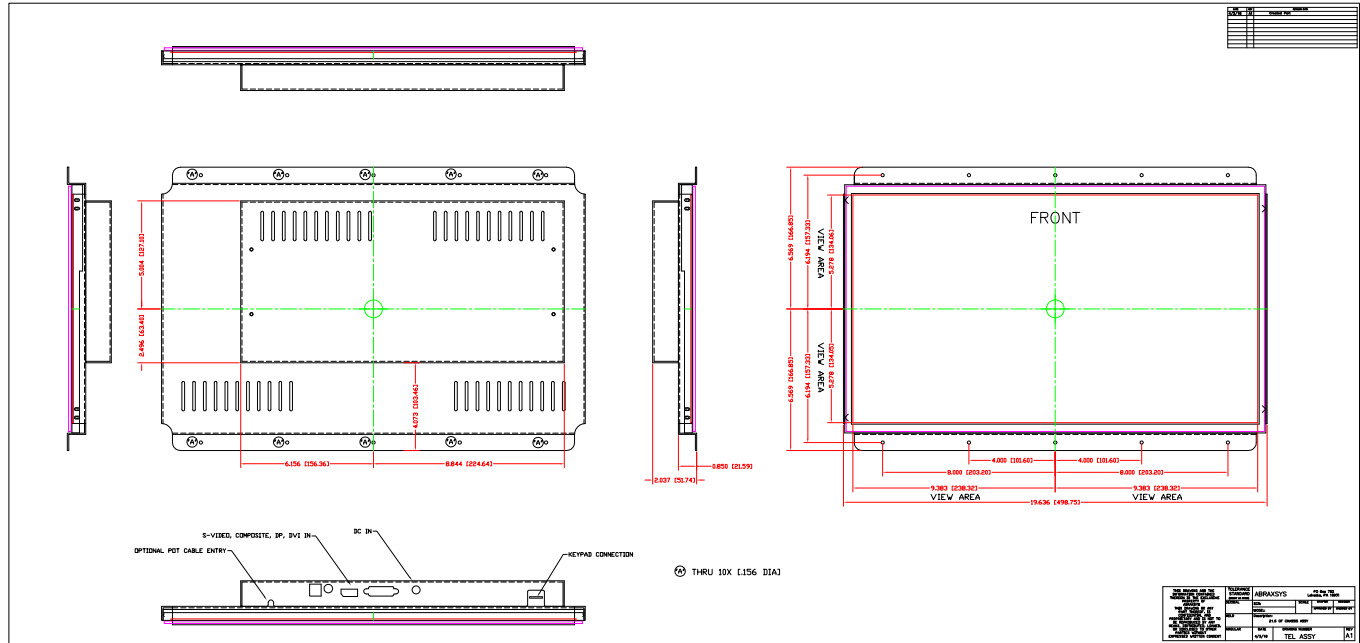
**Touch Screen Technology
NEMA 4 – IP65**
(USB or Serial): Links to the
various touch technologies

Resistive

**Hardened Armored Touch
Technology**

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 (on wire lead),
Automatic Dimming, or Remote
Dimming

Optical Bonding

Mechanical Drawings

FRONT

S-VIDEO, COMPOSITE, IP, DVI IN
DC IN
OPTIONAL POT CABLE ENTRY
KEYPAD CONNECTION

THRU 10X [.156 DIA]

VIEW AREA

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