



# 18.5" Sunlight Readable LCD 1550 Protector Case

Model A8104-185-1550

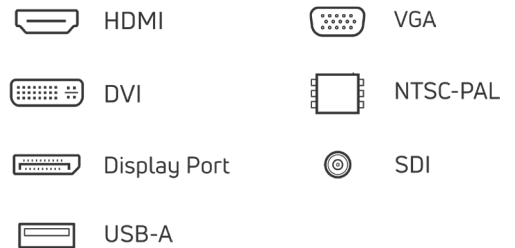
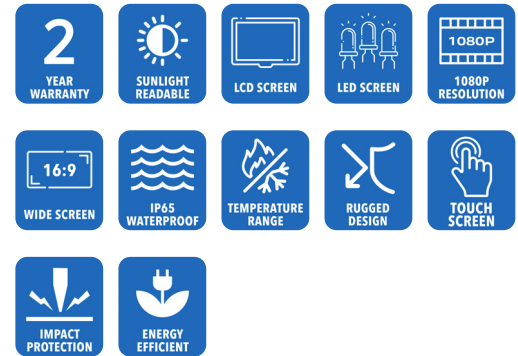
## 18.5" Rugged Sunlight Readable LCD Integrated into a Pelican 1550 Protector Case

Sensitive equipment needs protection, and the Pelican™ Protector Case offers unparalleled stability. These cases are designed rugged, and travel the harshest environments on earth. Against the extreme cold of the arctic or the heat of battle, Pelican cases have survived.

Made in the USA, these tough cases are designed with an automatic purge valve, that equalizes air pressure, a watertight silicone O-ring lid, over-molded rubber handles and stainless steel hardware. Equipped with retractable extension trolley handle, automatic pressure equalization valve – balances interior pressure, keeps water out, and easy open double-throw latches

With a robust design and state-of-the-art features, these ruggedized LCD monitors meets the demands of today's harsh environment applications including ROV/Drones, First Responders, Military, Field Analysis, Offshore, Robotics, etc. While these display monitor/cases offer excellent mobility, we ensure that it can withstand the demanding conditions commonly encountered in these applications.

Multiple size LCD options, I/O configurations, and mounting possibilities.



# Technical Specifications

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## General

**Model:**

A8104-185-1550

**Display Size**

18.5"

**Display Type**

Long-Life Industrial Grade LCD

**Backlight Technology**

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

**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)

**Dimming Capabilities**

Front Sealed Manual Full-Range  
Dimming Turn Potentiometer

**Contrast Ratio**

1000:1

**Aspect Ratio**

16:9

**Resolution**

1920 x 1080 (1080p)  
– True High-Definition

**Colors Supported**

16.7M (8-bit/color)

**Viewing Angles**

-88° to 88° Horizontal  
-88° to 88° Vertical

**Video Inputs**

DVI, HD15 (VGA), HDMI,  
DisplayPort, SDI, Compositel

**User Controls**

Optional Front User Membrane  
Keypad

**Optical Bonding**

Standard Feature: Optical  
Bonding of Touch or Optical  
Window to LCD Face.

**Protective Window**

10-Point Multi-Touch Projected  
Capacitive Touch Window (PCAP)  
or Protective Window

**Power Types**

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

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## Physical Attributes

**Front Bezel**

High Grade 6061T Aluminum,  
Electrochemical Anodized for  
added Corrosion Resistance,  
Black Textured Finish per Military  
Standards FED-STD-595

**Panel Mounting**

IP65 at LCD front bezel

**Overall Dimensions**

20.66 x 17.20 x 8.40 in  
(52.5 x 43.7 x 21.3 cm)

**Weight**

Configuration Dependent

**Sunlight Readability**

Sunlight Readable Model Available

**Warranty Period**

2 Years

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## 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)

**Fasteners**

Vibration-proof, self-locking, fastener system which will not loosen regardless of seat torque. Designed to help make products safer, lower warranty costs and prolong equipment life by eliminating vibration; increased safety, reliability, operating life and reduced maintenance.

**Humidity**

5% to 95% RH (non-condensing)

**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

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## Additional Add-On Options

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

Or can be fitted with an Optical Grade Protective Impact Window

**Various Color Cases Available:**

Black (standard), Silver, Orange, Yellow

**Customization Services****Private Labeling Services****Custom Boot-up  
Splash Screen****Custom Video Modes****Conformal Coating of all  
Internal Circuit Boards****Power Type Choices:**

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

**Video Input Options:**

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

Can be configured with Hot-Toggle Input Selections between different types

**Extended Operational  
Temperature Ranges**

# Mechanical Drawings

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



**AbraxSys**  
RUGGED LCD SOLUTIONS

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