

# 802TSH 8" Sunlight Readable GFG Touchscreen LCD Monitor with HDMI, DVI, VGA & AV Inputs



## Description

In a follow up of the 800 series and the 805 series, Xenarc Technologies Corp. added to its **8" line of off-the-shelf touch screen displays solutions** with the introduction of an 8" LCD touchscreen display monitor with a brightness rating of 1,000NIT while boasting a **5-wire GFG Armored Resistive Touch Panel**. The high brightness of this **8" touchscreen display**, as well as the GFG armored touch panel and ruggedized aluminum casing, makes it ideal for industrial or outdoor applications.

This 8" touch screen display is available without Touch Screen as the 802YH.

This rugged and versatile 8" touchscreen display offers superior readability under direct sunlight and is perfect for outdoor applications. With our proprietary technology, we are able to increase the brightness rating to 1,000NIT, and the Contrast Ratio to 500:1. Sunlight readability of this 8" display touchscreen is further enhanced by its advanced Anti-Reflective coating.

The 8" Glass-Film-Glass (GFG) armored touch panel has a surface hardness of 7H, significantly higher than the standard 3H of an ITO film on regular resistive touch panels. This new technology employs a 0.2mm thin glass on top of the resistive touch screen. This layer features anti-scratch properties, and is not only resistant to abrasion, but also chemicals which makes these 8" touch displays relevant to a number of rugged applications including:

- Industrial
- Medical
- Food and Hospitality
- Gas stations or Chemical plants
- Marine, Transportation, and Air Transportation operating systems.

The GFG panels also come with anti-reflective and anti-fingerprint coatings, further enhancing the high bright panel within the display. All of these enhancements result in a 8" rugged display LCD LED monitors that are corrosion, scratch, and high temperature resistant, and easy to clean.

Use the convenient 8" touch-screen as your input device, control your mouse cursor or the mini on screen keyboard that comes with your operating system. The 8" touch screen utilizes the USB port as the interface. You can connect several of our 8" touchscreen displays to your computer and the 8 inch touchscreens would work simultaneously through the multi-monitor support.

The brushed, anodized aluminum face plate gives the **8" inch display lcd touchscreen monitor** a modern yet elegant look. The entire enclosure is constructed with aluminum, making the unit strong and ruggedized.

Why do our small form factor, portable, mini 8" sunlight readable display monitor solutions outlast others in extreme environments? Why do our **8" sunlight readable touchscreen display monitor solutions** have wider temperature range and wider voltage input range? It is because our mission is to offer our touchscreen display customers the best. By utilizing high grade display and touchscreen components, this 8" LCD LED outdoor portable display advanced touchscreen monitor is perfect for industrial, in-car computing applications or any other applications where a small, portable and durable **8" touch screen display** is required. Our 8" LCD LED display solutions are designed to save Automation, System Integrators and Engineers time and money with our off-the-shelf display solutions for applications such as but not limited to:

- **Transportation** - Marine, Air, Heavy Vehicles, Mining, Weigh Stations, Fleet Management, Telematics, In-Car Computing, Public Transit, Cargo
- **System Integration** - Machinery Controls, Factory Automation, Environmental Monitoring, Home Automation, Military, Smart Home
- **Point of Sale** - Hospitality, Digital Signage, Self-Service Kiosks, Outdoor Kiosks and Signage, Casino
- **Data Monitoring** - Cloud, IoT, Medical, Logistics, Inventory Management, Oil & Gas/Utilities,

- Law Enforcement, Broadcasting, Veterinary, First Person View
- **Broadcast & Production** - Broadcast Stations, Mobile Production Vehicles, Field Rugged Deployment for your mobile workforce, Studio Video Production

## Features

- 1000NIT Sunlight Readable with Long Life LED Backlight
- Adjustable LED Backlight for nighttime use
- 5-Wire Resistive GFG Armored Touchscreen with 7H Surface Hardness (USB)
- Anti-Reflective Coating
- Multi-Monitor Touchscreen Support
- HDMI Input x 1 (HDCP), VGA Input (15 pin D-SUB) x 1 & Video Input x 2
- DVI Input through included DVI to HDMI Adaptor
- Audio Input x 3 / Built-In Speaker
- 800x600 Native Resolution, 4x3 Aspect Ratio
- Solid Capacitors for Improved Durability
- High Performance Image and Video Signal Processor
- **AISS** - Advanced Image-Scaling and Shaping
- Last Input and Power Setting Memory
- IR Remote Control
- Auto Power-On upon signal detection
- Mirror and Vertical Image Flip
- Function to Disable Front Button(s) and On Screen Text
- AV2 Auto Switching for Backup Camera
- 360° Copper Monitor Stand or U-Shape Mount
- VESA 75mm Mounting Holes
- 26-Pin Heavy-Duty Connector with Connector Locking
- Ruggedized Aluminum Casing
- Supports 9V DC ~ 36V DC
- "E" Mark Certified for Automotive use
- FCC, CE, E13 Certification
- ROHS, REACH, ECE R118-03 Compliant
- 36 Month/3 Year Warranty
- 30 Day No dead Pixel Guarantee

## Function Diagram

8" Sunlight Readable GFG Touchscreen LCD Monitor with HDMI, DVI, VGA & AV Inputs

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<http://www.xenarcdirect.com/image.php?type=FD&id=17721>

## Package Contents

- AC Adaptor or Cigarette Lighter Car Adaptor or 5M Power Lead
- 1.8 Meter Cable or 5 Meter Cable or 2 Feet Cable with only HDMI & USB or 2 Feet Cable with only VGA & USB or 5 Meter Cable with only HDMI & USB
- U-Shape Mount
- Optional Stylus

## Specification

- Screen Size: Diagonal 8" (4:3)
- Physical Resolution: 800 (H) x 600 (V) SVGA
- Supported Resolution: 640 x 480 ~ 1600 x 1200
- Dot Resolution: 2400 x 600 = 1,440,000 (dots)
- LCD Brightness: 1,000 cd/m<sup>2</sup>
- Contrast Ratio: 500:1
- Viewing Angle: 140° Horizontal, 120° Vertical
- Response Time (Tr/Tf): 10/15ms (Typ.)
- Touch Screen Interface: USB port
- Operating Voltage Range: DC 9V ~ 36V
- Power Supply: DC 12V
- Power Consumption: < 14W
- Operating Temperature: -4°F ~ 158°F (-20°C ~ 70°C)
- Storage Temperature: -22°F ~ 176°F (-30°C ~ 80°C)
- MTBF (Mean Time Between Failures): > 55,000 Hours or > 6.2 Years of continuous operation
- Dimension (mm): 228W x 164H x 36D
- Weight (lb): 2.64