

# 802TSV 8" Sunlight Readable Touchscreen LCD Monitor with VGA & AV Inputs



## Description

**NOTE:** This 8" touchscreen display unit has been replaced by the 802TSH.

In a follow up of the 800 series and the 805 series, Xenarc Technologies Corp. added to its **8" line of industrial-grade, small form factor, portable display solutions** with the introduction of an **8" LCD display monitor** with a brightness rating of 1,000NIT while boasting a 5-wire resistive advanced touch panel perfect for HMIs. The high brightness of this **8" touchscreen display**, as well as the ruggedized aluminum casing, makes it ideal for outdoor applications.

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

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

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

Why do our **8 inch touchscreen display solutions** outlast others in extreme environments? Why do our small form factor and portable touchscreen displays have wider temperature range and wider

voltage input range? It is because our mission is to offer System Integrators, Automators and Engineers the very best in display technology and display solutions. By utilizing high grade components, this 8" touchscreen display monitor is perfect for industrial, in-car computing applications or any other applications where a small form factor durable displays are required. Our 8" LCD LED displays are designed 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 Touchscreen (USB)
- Anti-Reflective Coating
- Multi-Monitor Touchscreen Support
- VGA Input (15 pin D-SUB) x 1 & Video Input x 2
- 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 Compliant
- 36 Month/3 Year Warranty
- 30 Day No dead Pixel Guarantee

# Function Diagram

## 8" Sunlight Readable Touchscreen LCD Monitor with VGA & AV Inputs

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<http://www.xenarc.com/image.php?type=FD&id=17662>

## Package Contents

- Copper Monitor Stand or U-Shape Mount
- AC Adaptor or Cigarette Lighter Car Adaptor or 5M Power Lead
- 1.8M Connection Cable (5M version available separately)
- Optional Stylus

## Specification

- Screen Size: Diagonal 8" inches (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