

# 802YH 8" Sunlight Readable LCD Display 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 displays solutions** with the introduction of an **8" LED LCD display monitor** with a brightness rating of 1,000NIT. The high brightness of this **8" inch display monitor**, as well as the ruggedized aluminum casing, makes it ideal for outdoor integration and application. This 8" inch outdoor display unit is available with a Touch Screen as the 802TSH.

This rugged and versatile 8" display monitor 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.

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" display solutions outlast others in extreme environments? Why do our 8" display solutions have wider temperature range and wider voltage input range? It is because our mission is to offer Automators, Engineers and System Integrators with the best off-the-shelf small form factor 8" display solutions possible. By utilizing high grade components, this 8" LCD LED display monitor is perfect for industrial, in-car computing applications or any other applications where a small, portable and durable displays are required. Our mini portable small form factor 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
- Anti-Glare Coating
- 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
- 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 LCD Display Monitor with HDMI, DVI, VGA & AV Inputs

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<http://www.xenarc.com/image.php?type=FD&id=17720>

## Package Contents

- Copper Monitor Stand or U-Shape Mount
- 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 or 5 Meter Cable with only HDMI & USB

## 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