

# 1022TSH 10.1" Sunlight Readable Touchscreen with HDMI, DVI, VGA & AV Inputs



## Description

Xenarc Technologies Corp. continually leads the **industrial and commercial outdoor and indoor touch screen display market** with new products, and such is the case with the introduction of a **10.1" touch screen monitor with a brightness rating of 1,200NIT**. The high brightness of this **10" touchscreen** makes it ideal for outdoor applications under **direct sunlight**, as well as any other applications where a bright, non-reflective display may be effective. This **10.1" touchscreen model** is available without Touch Screen as the 1022YH. It is also available without direct sunlight readability as the 1020TSH.

This latest touch screen display product in the **10.1" touchscreen** line offers superior readability under sunlight. With our proprietary technology, we are able to increase the brightness rating to 1,200NIT, and the Contrast Ratio to 800:1. Sunlight readability is further enhanced by its advanced Anti-Reflective coating.

Use the convenient 10.1" **touch-screen** as your input device, control your mouse cursor or the mini on screen keyboard that comes with your operating system. The **10.1" touch screen** utilizes the USB port as the interface. You can connect several of our **touch screen monitors** to your computer and the touchscreens would work simultaneously through the multi-monitor support.

The brushed, anodized aluminum face plate gives this **10" touchscreen** a modern yet elegant look and the entire enclosure is constructed with aluminum, making the unit strong and ruggedized.

Why do our **10.1" touch screens** outlast others in extreme conditions? Why do our products have a wider temperature range and a wider voltage input range? It is because our mission is to offer industrial integrators, automators and engineers the best display solutions for any situation and for any environment. By utilizing high grade components, this **10.1" LCD display** is perfect for industrial, in-car computing applications or any other applications where a small, durable, high brightness display is required, including 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

- 1,200NIT Sunlight Readable with Long Life LED Backlight
- Wide Viewing Angle IPS (In-Plane Switching) LCD Panel
- Automatic Backlight Adjustment through Built-in Ambient Light Sensor

- 5-Wire Resistive Touchscreen
- 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 Speakers
- 1280x800 Native Resolution, 16x9 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
- Control Monitor Functions through USB port using RS232 Commands **\*NEW\***
- Auto Power-On upon signal detection
- 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

### 10.1" Sunlight Readable Touchscreen with HDMI, DVI, VGA & AV Inputs

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## 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
- Optional U-Shape Mount
- Optional Stylus

# Specification

- Screen Size: Diagonal 10.1" (16:9)
- Physical Resolution: 1280 (H) x 800 (V) HD
- Supported Resolution: 640 x 480 ~ 1920 x 1080
- Dot Resolution: 3840 x 800 = 3,072,000 (dots)
- Brightness: 1200 cd/m<sup>2</sup>
- Contrast Ratio: 800:1
- Viewing Angle: 170° Horizontal, 170° 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: ? 20W
- Operating Temperature: -4°F ~ 158°F (-20°C ~ 70°C)
- Storage Temperature: -22°F ~ 176°F (-30°C ~ 80°C)
- Vibration: Operating Random Vibration Test (5-500Hz, 1.0Grms), IEC 60068-2-64 standard
- Shock: Operating Shock Test, 10G peak acceleration (11ms duration), IEC 60068-2-27 standard
- MTBF (Mean Time Between Failures): > 55,000 Hours or > 6.2 Years of continuous operation
- Dimension (mm): 265W x 186H x 33.2D
- Weight (lb): 3.3