

# 1022YH 10.1" Sunlight Readable LCD Monitor with HDMI, DVI, VGA & AV Inputs



## Description

Xenarc Technologies Corp. continually leads the **ruggedized industrial and commercial outdoor and indoor small display monitor market** with new display products, and such is the case with the introduction of a **10.1" LCD HDMI, DVI, VGA monitor with a brightness rating of 1,000NIT**. The high brightness of this **10" monitor** 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" Monitor** unit is available with Touch Screen as the 1022TSH.

This latest product in the **10" monitor** 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.

The brushed, anodized aluminum face plate gives this display a modern yet elegant look and the entire enclosure is constructed with aluminum, making the 10" monitor unit **strong and ruggedized perfect for those harsh factory floor industrial environments**.

Why do our HDMI, VGA, DVI 10" inch monitors outlast others in extreme conditions? Why do our 10.1" display products have a wider temperature range and a wider voltage input range? It is because our mission is to offer our customers the best display solutions for any situation. By utilizing high grade electronic components, this 10" monitor 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
- Anti-Glare Coating
- HDMI Video Signal Input x 1 (HDCP), VGA Video Signal Input (15 pin D-SUB) x 1 & Video Input x 2
- DVI Video Signal Input through included DVI to HDMI Adaptor
- 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
- 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 LCD Monitor with HDMI, DVI, VGA & AV Inputs

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<http://www.xenarc.com/image.php?type=FD&id=17693>

## 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 or 2 Feet Cable with only VGA & USB or 5 Meter Cable with only HDMI & USB
- Optional U-Shape Mount

## 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.)
- 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