

# 1020TSH 10.1" Touchscreen Monitor with HDMI, DVI, VGA & AV Inputs



Description

Xenarc Technologies Corp. was one of the first small form factor portable touchscreen **manufacturers** to introduce a **10.1" LCD screen with Touchscreen** and now we have further improved this popular model by incorporating an **HDMI video input** as well as the latest LED backlight technology. In addition, Solid Capacitors are used in place of Electrolytic Capacitors throughout the 10" touchscreen LCD to further improve the stability and durability especially in extreme temperature conditions. This **10.1" touchscreen monitor** unit is available with **1000NIT direct sunlight readability** as the 1022TSH. It is also available without a Touch Screen panel as the 1020YH.

This ruggedized and versatile **10.1" monitor** product incorporates the innovation of our VGA Video Monitor 10.1" model (1020TSV) along with a 5-wire resistive Touch-Screen panel and now **HDMI input** as well. Use the convenient 10 inch touch-screen as your input device, and control your mouse cursor or the mini on screen keyboard that comes with your operating system. The touch screen utilizes the USB port as the interface. You can connect several of our touchscreen displays to your computer and the touchscreens will work simultaneously through the multi-monitor support.

The brushed, anodized aluminum face plate gives the 10.1" HDMI, DVI, VGA display **touchscreen monitor** a futuristic yet elegant look. The entire enclosure is constructed with aluminum, making the unit both strong and light weight and the thin profile (only 1.19") makes the display very space saving. Our **10.1" touchscreen solutions** 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

- 400NIT High Brightness Long Life LED Backlight
- Automatic Backlight Adjustment through Built-in Ambient Light Sensor
- 5-Wire Resistive Touchscreen
- Anti-Glare 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
- 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" Touchscreen Monitor with HDMI, DVI, VGA & AV Inputs

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<http://www.xenarc.com/image.php?type=FD&id=17688>

## Package Contents

- 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 & USB or 2 Feet Cable with only VGA & USB or 5 Meter Cable with only HDMI & USB
- 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: 400 cd/m<sup>2</sup>
- Contrast Ratio: 600:1
- Viewing Angle: 140° Horizontal, 120° Vertical
- Response Time (Tr/Tf): 5/20ms (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