

# 1020YH 10.1" LCD Display Monitor with HDMI, DVI, VGA & AV Inputs



## Description

Xenarc Technologies Corp. was the first to introduce a **10.1" LCD screen with VGA and HDMI inputs**, and now we have further improved this popular industrial-grade model by incorporating the latest LED backlight technology. In addition, Solid Capacitors are used in place of Electrolytic Capacitors throughout the unit to further improve the stability and durability especially in extreme temperature conditions. This **10" Monitor** is available with a Touch Screen as the 1020TSH. It is also available with 1000NIT direct sunlight readability as the 1022YH.

Don't mistake this small monitor for an ordinary video monitor that displays composite video. This **10.1" monitor** has 1024 x 600 pixels (3072 x 600 sub-pixels) that help display crystal clear text and ultra-sharp images through your computer's VGA or HDMI signal.

The brushed, anodized aluminum face plate gives the display 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 compact with a small footprint. Our 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

- 400NIT High Brightness Long Life LED Backlight
- Automatic Backlight Adjustment through Built-in Ambient Light Sensor
- Anti-Glare Coating
- HDMI Input x 1 (HDCP), VGA Input (15 pin D-SUB) x 1 & Video Input x 2
- Audio Input x 3 / Built-In Speakers
- 1024x600 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" LCD Display Monitor with HDMI, DVI, VGA & AV Inputs

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<http://www.xenarcdirect.com/image.php?type=FD&id=17722>

## 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 10.1" (16:9)
- Physical Resolution: 1024 (H) x 600 (V) WXGA
- Supported Resolution: 640 x 480 ~ 1920 x 1080
- Dot Resolution: 3072 x 600 = 1,843,200 (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.)
- 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): 3.2