702GSH 7" Sunlight Readable Optically Bonded Capacitive Touchscreen LCD Display Monitor with HDMI, DVI, VGA & AV Video Inputs

Description

Xenarc Technologies Corp. extended the versatility of its iconic 700 series line of small form factor mini portable 7" monitor displays with the introduction of a Sunlight Readable 7" LCD touchscreen with **HDMI Video input** and Capacitive Touchscreen that now incorporates an optically bonded touch

and LCD panel, that offers **IK08 Impact Protection**. The **heavy duty rugged display monitor** uses the latest **7" LCD Panel** with a 1024x600 native resolution while incorporating our latest **LED backlight** technology for a brightness rating of **1,000NIT** and an ambient light sensor which dims the backlight automatically when required. The high brightness of this **7" display HDMI 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 **7" Capacitive Touch Screen Display HDMI, VGA, DVI Monitor** is available without Optical Bonding as the 702CSH.

This latest product in the **7" Touchscreen** Monitor line 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 700:1**. Sunlight readability is further enhanced by it's **Touchscreen Optical Bonding** and advanced Anti-Reflective coating. Air gap is eliminated between the Touchscreen panel and the LCD panel to increase clarity, contrast, and durability. In addition, Chip Monolithic Ceramic Capacitors are used thoughout the 7" HDMI display unit for improved stability and durability especially in extreme temperature conditions.

This versatile **7" HDMI, VGA, DVI Monitor** incorporates the innovation of our HDMI 7" models along with a Capacitive Touch-Screen panel. Capacitive sensing provides a more responsive touch interface than resistive touch. It achieves this by using the capacitance of human skin to detect the proximity or position of the input. Proximity sensing allows the touch interface to work even if protective glass or coating is used over the display. Use the convenient touch-screen as your input device, control your mouse cursor or the mini on screen keyboard that comes with your operating system. The 7 inch HDMI touch screen utilizes the USB port as the interface. You can connect several 702GSH HDMI monitors to your computer and the touchscreens would work simultaneously through the multi-monitor support. Our rugged all-weather 7" touchscreen 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

- IK08 Impact Protection
- Optical Bonding
- 1,000NIT Sunlight Readable with Long Life LED Backlight
- Automatic Backlight Adjustment through Built-in Ambient Light Sensor
- Projected Capacitive Multi-Touch Touchscreen (USB)
- Anti-Reflective and Anti-Fingerprint Coating
- Plug-N-Play with Windows 7 and up and Android devices (Downloadable drivers for other OS)

- 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 Speaker
- 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
- 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
- VESA 50mm Mounting Holes
- 26-Pin Heavy-Duty Connector with Connector Locking
- Supports 10V DC ~ 35V DC
- "E" Mark Certified for Automotive use
- FCC, CE, E13 Certification
- IK08 Impact Resistant
- ROHS, REACH, ECE R118-03 Compliant
- 36 Month/3 Year Warranty
- 30 Day No dead Pixel Guarantee

Function Diagram

7" Sunlight Readable Optically Bonded Capacitive Touchscreen LCD Display Monitor with HDMI, DVI, VGA &

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http://www.xenarc.com/image.php?type=FD&id=17716

Package Contents

- Copper Monitor Stand
- 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

Specification

- Screen Size: Diagonal 7" (16:9)
- Physical Resolution: 1024 (H) x 600 (V) WVGA
- Supported PC Resolution: 640 x 480 ~ 1920 x 1080

- Supported HDMI video Signal: 480i, 480p, 720i, 720p, 1080i, 1080p
- Dot Resolution: 3072 x 600 = 1,843,200 (dots)
- Brightness: 1,000 cd/m²
- Contrast Ratio: 700:1
- Viewing Angle: 150° Horizontal, 145° Vertical
- Response Time (Tr/Tf): 10/15ms (Typ.)
- Touch Screen Interface: USB port
- Operating Voltage Range: DC 10V ~ 35V
- Power Supply: DC 12V
- Power Consumption: < 10W
- Operating Temperature: -4°F ~ 158°F (-20°C ~ 70°C)
- Storage Temperature: -22°F ~ 176°F (-30°C ~ 80°C)
- Impact Protection Rating: IK08
- MTBF (Mean Time Between Failures): > 55,000 Hours or > 6.2 Years of continuous operation
- Dimension (mm): 196W x 121.5H x 35D
- Weight (lb): 1.54