

# 700TSH 7" Touchscreen LCD Monitor with HDMI, DVI, VGA & AV Inputs



## Description

Xenarc Technologies Corp. is the leading manufacturer of **7" touchscreens display monitors** also known as 7" LED LCD HMIs screen panels with **HDMI Video Signal input** and an advanced 7 inch touch panel. This **7" touchscreen** display monitor unit incorporates our latest LED backlight technology for increased brightness and has an ambient light sensor which dims the backlight automatically when required. In addition, Chip Monolithic Ceramic Capacitors are used throughout the unit for improved stability and durability especially in extreme temperature conditions and perform excellent in harsh industrial environments. This 7" HDMI, DVI, VGA video display monitor is

available with a Capacitive **7" Touchscreen** with model# 700CSH. It is also available without Touch Screen as the 700YH.

The **7" Touchscreen Monitor** is a versatile small form factor display product that incorporates the innovation of our **HDMI video 7" touchscreen** models along with a **5-wire resistive Touch-Screen panel**. Use the convenient 7 inch touch-screen as your input device, control your mouse cursor or the mini on screen keyboard that comes with your operating system. The **7" display touch screen** utilizes the USB port as the interface. You can connect several 700TSH 7" touchscreen monitors to your computer and the touchscreens would work simultaneously through the multi-monitor support. Our Rugged heavy duty 7 inch HMIs 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, IIoT, Industry 4.0, IoT, Medical, Logistics, Inventory Management, Oil & Gas/Utilities, Law Enforcement, Broadcasting, Veterinary, First Person View

## Features

- 600NIT High Brightness Long Life LED Backlight
- Automatic Backlight Adjustment through Built-in Ambient Light Sensor
- 5-Wire Resistive Touchscreen (USB)
- 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 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
- ROHS, REACH, ECE R118-03 Compliant

- 36 Month/3 Year Warranty
- 30 Day No dead Pixel Guarantee

## Function Diagram

7" Touchscreen LCD Monitor with HDMI, DVI, VGA & AV Inputs

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<http://www.xenarc.com/image.php?type=FD&id=17641>

## Package Contents

- 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
- Optional Stylus

## 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: 600 cd/m<sup>2</sup>
- 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)
- 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