

# 706TSA 7" Touchscreen LCD Display Monitor with DVI, VGA & AV Inputs



## Description

**NOTE:** This 7" Touchscreen has been replaced by the 702GSH.

Xenarc Technologies Corp. is one of the first small form factor, portable, **industrial monitor display** manufacturers to introduce a **7" LCD screen with DVI video input and USB powered Touchscreen**

This **7" Industrial Display Monitor** utilizes a separate input box which allows for a very clean installation. There is only one cable that needs to be connected to the **7" DVI VGA video display monitor**. The external input box includes inputs for power, DVI video input, VGA video input, 2 Composite video, and 3 audio. With optional longer cables, the 7 inch display monitor can sit up to 10 Meters away from the input sources. LVDS signaling is utilized between the **7" touchscreen display monitor** and the input box to minimize video and sound signal degradation.

Utilizing the newest Pixelworks advanced high performance video processor, the 706TSA provides outstanding signal processing, de-interlacing, and scaling. This is the same chip that is used in high-end TVs and projectors. Solid Capacitors are used in place of Electrolytic Capacitors throughout the 7" DVI VGA display monitor to further improve the stability and durability especially in extreme temperature conditions.

Use the convenient 7" 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 touch screen utilizes the USB port as the interface. You can connect several 706TSA 7" display monitors to your computer and the touchscreens would work simultaneously through the multi-monitor support. 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

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- For In-Car Computing, PC, Server, GPS, and various VGA Use
- Automotive Grade 650NIT LCD Panel
- Twin-tube High-Brightness CCFL Backlight
- 5-wire resistive Touch Screen (USB)
- Multi-Monitor Touchscreen Support
- DVI-D Input x 1
- VGA Input (15 pin D-SUB) x 1 & Video Input x 2
- Audio Input x 3 / Built-in Speaker
- Picture In Picture / Split Screen
- NTSC / PAL Multi-System
- 16x9 Aspect Ratio
- High Resolution Display - up to 1600 x 1200
- Auto detects 800x480 resolution
- Solid Capacitors for improved durability
- Automatic backlight level adjustment through built-in ambient light sensor
- **Pixelworks High Performance Image and Video Signal Processor**
- **AISS** - Advanced Image-Scaling and Shaping
- 16:9 / 4:3 Scaler settings (Auto, Fill All, 1 to 1, Normal, Zoom, Wide)
- Last Input memory
- Last Power setting memory
- IR Remote Control
- Auto power-on upon signal detection
- Automatic display adjustment
- On Screen Display Control
- Mirror Image Flip
- Vertical Image Flip
- AV2 Auto Switching for backup camera
- Copper Stand: 360° / Height Adjustment
- Brushed aluminum front bezel

- VESA 50mm mounting holes
- 20-Pin and 26-Pin heavy-duty connectors
- Anti Glare Coating
- Supports 10V DC ~ 24V DC
- "E" Mark Certified for Automotive use
- FCC, CE, E13 Certification
- ROHS Compliant
- 36 Month/3 Year Warranty
- 30 Day No dead Pixel Guarantee

## Package Contents

**NOTE: This 7" touchscreen Display Monitor has been replaced by the 702GSH.**

- Copper Monitor Stand
- AC Adaptor or Cigarette Lighter Car Adaptor or 5M Power Lead
- 1.8M Connection Cable (5M version available separately)
- Optional Stylus

## Specification

**NOTE: This 7" touchscreen Display Monitor has been replaced by the 702GSH.**

- Screen Size: Diagonal 7" (16:9)
- Physical Resolution: 800 (H) x 480 (V) WVGA
- Supported Resolution: 640 x 480 ~ 1920 x 1080
- Dot Resolution: 2400 x 480 = 1,152,000 (dots)
- LCD Brightness: 650 cd/m<sup>2</sup>
- Contrast Ratio: 300:1
- Viewing Angle: 140° Horizontal, 80° Vertical
- Response Time (Tr/Tf): 6/10ms (Typ.)
- Touch Screen Interface: USB port
- Operating Voltage Range: DC 10V ~ 24V
- Power Supply: DC 12V
- Power Consumption: <22W
- Operating Temperature: -22°F~185°F
- Storage Temperature: -40°F~203°F
- MTBF (Mean Time Between Failures): > 55,000 Hours or > 6.2 Years of continuous operation
- Dimension (mm): 189.89W x 123.89H x 36.04D
- Weight (lb): 1.10