

700YV 7" LCD Small Display Monitor with VGA & AV Inputs



Description

NOTE: This 7" VGA Small Monitor has been replaced by the 700YH.

Xenarc Technologies Corp. was the first to market with the iconic small monitor 700 series in the competitive 7" VGA small monitor market and the 700YV was the first in the product line. And now we have further improved this popular model by incorporating **the latest LED backlight technology** and adding an **ambient light sensor**. In addition, Chip Monolithic Ceramic Capacitors are used in place of Electrolytic Capacitors throughout the **7" VGA small monitor** display to further improve the stability and durability especially in extreme temperature conditions.

Don't mistake this 7" VGA small monitor display for an ordinary mini video monitor that displays composite video. This small 7" heavy duty industrial-grade display monitor has a native resolution of 800 x 480 pixels (2400 x 480 sub-pixels) that help display crystal clear text and ultra-sharp images through your computer's VGA signal. Our small monitor 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

NOTE: This 7 inch VGA Small Monitor has been replaced by the 700YH.

- For In-Car Computing, PC, Server, GPS, and various VGA Use
- High Bright LCD Panel with LED Backlight
- VGA Input (15 pin D-SUB) x 1 & Video Input x 2
- Audio Input x 3 / Built-in Speaker
- NTSC / PAL Multi-System
- 16x9 Aspect Ratio
- High Resolution Display
- Auto detects 800x480 resolution
- Upgraded High-Brightness LED Backlight
- Chip Monolithic Ceramic 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
- 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
- Function to disable front button(s)
- Function to disable On Screen Text
- AV2 Auto Switching for backup camera
- Copper Stand: 360° / Height Adjustment
- VESA 50mm mounting holes
- 26-Pin heavy-duty connector
- Anti Glare Coating
- Supports 10V DC ~ 30V DC
- "E" Mark Certified for Automotive use
- FCC, CE, E13 Certification
- ROHS Compliant
- 36 Month/3 Year Warranty
- 30 Day No dead Pixel Guarantee

Function Diagram

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<http://www.xenarc.com/image.php?type=FD&id=17658>

Package Contents

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

Specification

NOTE: This 7" VGA Small Monitor Display has been replaced by the 700YH.

- Screen Size: Diagonal 7" (16:9)
- Physical Resolution: 800 (H) x 480 (V) WVGA
- Supported Resolution: 640 x 480 ~ 1600 x 1200
- Dot Resolution: 2400 x 480 = 1,152,000 (dots)
- LCD Brightness: 500 cd/m²
- Contrast Ratio: 400:1
- Viewing Angle: 140° Horizontal, 120° Vertical
- Response Time (Tr/Tf): 10/15ms (Typ.)
- Operating Voltage Range: DC 10V ~ 30V
- 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