

702YH 7" Sunlight Readable LCD Display Monitor with HDMI, DVI, VGA & AV Inputs



Description

Xenarc Technologies Corp. continues its leadership position in the 7" display market with the introduction of a 7" **Sunlight Readable** LCD screen display monitor. The automotive-grade, industrial-grade, military, marine and medical-grade rugged **7 inch display monitor** incorporates our latest LED backlight technology for a **brightness rating of 1,000NIT** and has an ambient light sensor which dims the backlight automatically when required. The high brightness of this **7" automotive-grade HDMI touchscreen** makes it ideal for automotive and outdoor applications under direct sunlight as well as any other applications where a bright, non-reflective display may be effective. This 7 inch Sunlight

Readable monitor is available with a Touch Screen as the 702CSH.

This latest **7" Sunlight Readable monitor** offers superior readability under sunlight. With Xenarc Technology's proprietary technology, we are able to increase **the brightness rating to 1,000NIT**, and the **Contrast Ratio to 700:1**. In addition, Chip Monolithic Ceramic Capacitors are used throughout the display unit for improved stability and durability especially in extreme temperature conditions making this **7" HDMI VGA DVI Video Display Monitor** ruggedized and perfect for harsh industrial environments outdoors and indoors.

Don't mistake this small portable 7" inch HDMI display unit for an ordinary video monitor. This 7" Sunlight Readable 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, DVI, or HDMI ports** or your Blu-Ray player's **HDMI video signal**.

The **Sunlight Readable 7" monitor display solutions** manufactured by Xenarc Technologies 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

- 1000NIT High Brightness Long Life LED Backlight
- Automatic Backlight Adjustment through Built-in Ambient Light Sensor
- Anti-Glare Coating
- **HDMI video Input** x 1 (HDCP), VGA Input (15 pin D-SUB) x 1 & Video Input x 2
- **DVI video Input** through included DVI to HDMI Adaptor
- **Audio video 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" Sunlight Readable LCD Display Monitor with HDMI, DVI, VGA & AV Inputs

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<http://www.xenarc.com/image.php?type=FD&id=17787>

Package Contents

- 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
- Optional Monitor Stand

Specification

- Screen Size: Diagonal 7" (16:9)
- Physical Resolution: 1024 (H) x 600 (V) WXGA
- 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: 1000 cd/m²
- Contrast Ratio: 700:1
- Viewing Angle: 150° Horizontal, 145° Vertical
- Response Time (Tr/Tf): 10/15ms (Typ.)
- 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