

# 709CNH 7" IP65 Sunlight Readable Capacitive Touchscreen LCD Small Monitor with HDMI, DVI, VGA & AV Inputs



## Description

Expanding its small form factor display product line into previously uncharted territories, Xenarc Technologies Corp. presents the first in its class **7" direct sunlight readable, IP65 dust/splash proof, capacitive touchscreen small monitor with built-in waterproof speaker**. The 1,000 NIT rated brightness of this water and dust resistant **7" small monitor** makes it ideal for tough outdoor applications under direct sunlight, and also protects from environmental hazards from harsh industrial

areas with its IP65 certified casing. This **7" small touchscreen** display monitor unit is available in a 10.1" touchscreen version in the 1029CNH.

The 709CNH **7" HDMI small monitor** offers all of the innovation and inputs as our 700 series models along with a **7" capacitive touchscreen 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 interaction to work even if protective glass or coating is used over the touch display. The IP65 rating on the 7 inch small monitor display provides for protection against solid objects and liquids. This **7" HDMI, VGA, DVI small monitor** is guaranteed to prevent any amount of dust from entering the device, making it completely dust proof. Further, it is guaranteed to protect from water projected from a nozzle from having any harmful effect.

Why do our 7" small monitor solutions outlast other displays in extreme conditions? Why do our 7" small monitor displays have a wider temperature range and a wider voltage input range? It is because our mission is to offer our System Integrators, Automators and Engineers the best small form factor display products for any situation. By utilizing high grade industrial components, this **7" Industrial Display HDMI, VGA, DVI Video small monitor** is perfect for industrial, in-car computing applications or any other applications where a small, durable, environmentally rugged display is required, including 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

- IP65 / NEMA4 Rated Water and Dust Resistance (Whole Unit)
- 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 Waterproof 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
- Ruggedized Aluminum Casing
- 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" IP65 Sunlight Readable Capacitive Touchscreen LCD Small Monitor with HDMI, DVI, VGA & AV Inputs

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<http://www.xenarc.com/image.php?type=FD&id=17703>

## 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

## Specification

- Screen Size: Diagonal 7" (16:9)
- Physical Resolution: 1024 (H) x 600 (V) WXGA
- Supported Resolution: 640 x 480 ~ 1920 x 1080
- Dot Resolution: 3072 x 600 = 1,843,200 (dots)
- Brightness: 1000 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): 205.2W x 139.5H x 28.7D
- Weight (lb): 2.64