709GNK 7" IP67 Sunlight Readable Capacitive Touchscreen LCD Display Monitor with HDMI Input

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, fully IP67 dust/water proof, capacitive touchscreen monitor with built-in waterproof speaker**. The 1,000 NIT rated brightness of this water and dust resistant 7" monitor makes it ideal for tough outdoor applications under direct sunlight, and also protects from environmental hazards from harsh industrial areas with

its IP67 certified casing. This **7" ruggedized touchscreen** display monitor unit is available in a 10.1" touchscreen version as the 1029GNH.

The full **IP67 rating** on this 7 inch ruggedized monitor display provides for protection against dust and liquids on **all sides and angles** when installed with it's included IP67 cables. **Mitsubish Mosmite Film** has been applied to the underside of the touchscreen panel, increasing clarity, contrast, and prevents fogging from ambient humidity or temperature swing.

The 709GNK was designed for those looking for a true rugged, bright, compact display, usable in just about any environment or application.

Why do our 7" ruggedized monitor solutions outlast other displays in extreme conditions? Why do our 7" ruggedized 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" watarproof and sunlight redable ruggedized display 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:

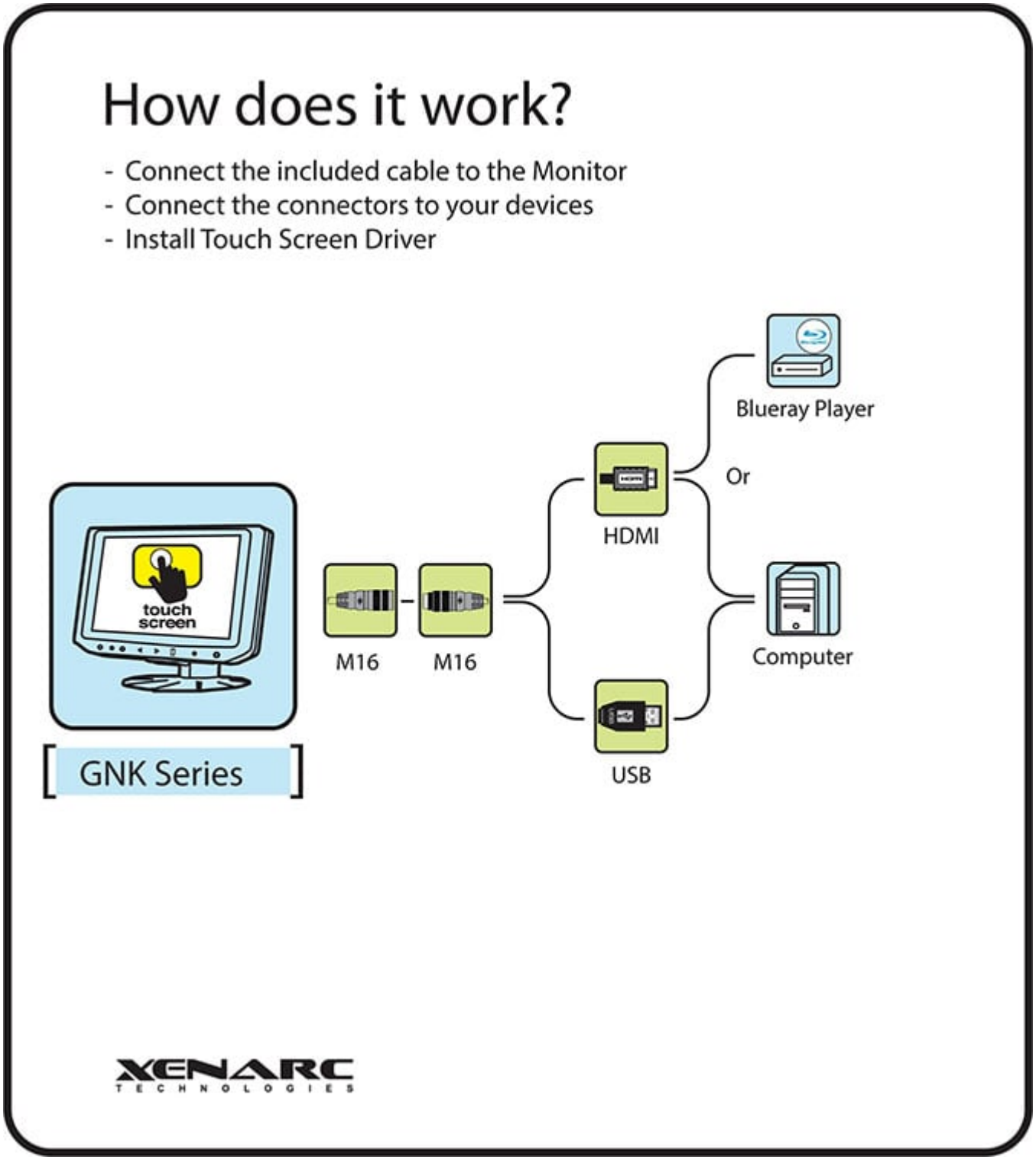
- **Transportation** - Marine, Air, Heavy Vehicles, Mining, Weigh Stations, Fleet Management, Telematics, In-Car Computing, Public Transit, Cargo
- **System Integration** - Machinery Controls, Factory Automation, Environmental Monitoring, Home Automation, Military, Smart Home
- **Point of Sale** - Hospitality, 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

- IP67 / NEMA6P 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)
- Mitsubishi Mosmite Anti-Fogging Film
- 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)
- DVI Input through included DVI to HDMI Adaptor
- Audio Input x 1 / 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
- M16 Military Grade IP67 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



Package Contents

- AC Adaptor or Cigarette Lighter Car Adaptor or 5M Power Lead
- 1.8 Meter Waterproof M16 to HDMI Cable or 5 Meter Waterproof M16 to HDMI Cable
- Optional Monitor Stand

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/m²
- 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