1569GNH 15.6 inch IP67 Sunlight Readable Optical Bonded Capacitive Touchscreen LCD Display Monitor with HDMI, DVI, VGA & AV Inputs & HDMI Video Output

Description

The Xenarc 1569 series of 15.6” displays is perhaps the most versatile and all-encompassing product in Xenarc Technologies’ line up of products. This 16:9 1000 nit screen is IP67 and IK08 rated and includes an optically bonded capacitive touchscreen, making it ideal for any environment up to the

toughest and most inhospitable environments. The touch panel is optically bonded to the LCD panel, eliminating the air gap between the two, increasing clarity, contrast, and durability. Further, because the unit is water tight and air tight, ambient humidity will not affect the clarity or viewability because of the optical bonding. The 1569GNH outperforms all automotive grade panels with a wider operating temperature range of -30C ~ 85C (-22F ~ 185F) and uses an IPS panel (In-Plane-Switching), which provides a wider viewing angle, consistent and accurate colors from all viewing angles, clearer images, and stable response times. A high contrast ratio of 800:1 provides crisper images and vivid colors, even in direct sunlight. The ruggedized full IP67 enclosure incorporates Anodized Aluminum Front Frame and SUS304 Stainless Steel Back Casing, ready for harsh environments.

The versatility of the 1569 series extends beyond its usability in many different environments. The 156GNH can video interface through our proprietary 26 pin cable (HDMI, VGA, AV Inputs) as well as HDMI direct into the monitor. HDMI output allows you to chain up a few 1569 series monitors or output to other HDMI monitor. With the included waterproof cables, the 1569GNH is IP67 on all sides. The casing of the 1569GNH is designed to be used as a stand-alone monitor as well as a panel mount monitor (with optional panel mount bracket PMB-1219). VESA standard mounting holes on the back further provide users with numerous mounting options. The IK08 rating makes the 1569GNH vandal resistant and shock resistant.

The 1569GNH was designed for those looking for a rugged, bright, compact display, usable in just about any environment or application.

Why do our products outlast others in extreme conditions? Why do our products have a wider temperature range and a wider voltage input range? It is because our mission is to offer our customers the best products for any situation. By utilizing high grade components, this display 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)
- Super Wide Operating Temperature range of -22°F ~ 185°F (-30°C ~ 85°C)
- 1,000NIT Sunlight Readable with Long Life LED Backlight
- Wide Viewing Angle IPS (In-Plane Switching) LCD Panel
- Automatic Backlight Adjustment through Built-in Ambient Light Sensor
- Projected Capacitive Multi-Touch Touchscreen (USB)

- Optical Bonding, 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 2 (HDCP), VGA Input (15 pin D-SUB) x 1 & Video Input x 2
- HDMI Output x 1, Analog Audio Output x 1
- Audio Input x 4 / Built-In Waterproof Speaker
- 1920x1080 Native Resolution, 16x9 Aspect Ratio
- Chip Monolithic Ceramic 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
- Control Monitor Functions through USB port using RS232 Commands *NEW*
- Auto Power-On upon signal detection
- Vertical Image Flip
- Function to Disable Front Button(s) and On Screen Text
- AV2 Auto Switching for Backup Camera
- VESA 75mm Mounting Holes
- Panel Mountable with Optional hardware (PMB-1569)
- 26-Pin Heavy-Duty Connector with Connector Locking
- Ruggedized enclosure with Anodized Aluminum Front Frame and SUS304 Stainless Steel Back Casing
- Supports 9V DC ~ 28V DC
- "E" Mark Certified for Automotive use
- FCC, CE, E13 Certification
- IK08 Impact Resistant
- ROHS, REACH, ECE R118-03 Compliant
- 36 Month/3 Year Warranty
- 30 Day No dead Pixel Guarantee

Function Diagram

How does it work?

- Connect the included cables to the Monitor
- Connect the connectors to your devices
- Install Touch Screen Driver

[GNH Series]

26 Pin

DIRECT CONNECT :

HDMI (In)

USB

HDMI (Out)

Audio

HDMI

Or

Blueray Player

Computer

USB

Or

Computer

VGA

Audio

Computer

Video

Audio

Video

Or

DVD Player

CAM

HDMI (In)

Or

Blueray Player

Computer

USB

Package Contents

- 5 Meter Waterpoof DC Power Lead with Optional AC Adaptor or Cigarette Lighter Car Adaptor
- 1.8 Meter Waterproof 26-Pin Multi-Input Cable or 5 Meter Waterproof 26-Pin Multi-Input Cable or 5 Meter Waterproof 26-Pin HDMI & USB Only Cable
- 5 Meter Waterpoof HDMI Cable
- 5 Meter Waterproof USB Cable
- 1.8 Meter Waterpoof Audio Cable

Specification

- Screen Size: Diagonal 15.6" (16:9)
- Physical Resolution: 1920 (H) x 1080 (V) Full HD
- Supported Resolution: 640 x 480 ~ 1920 x 1080
- Dot Resolution: 5,7600 x 1080 = 6,220,800 (dots)
- Brightness: 1000 cd/m²
- Contrast Ratio: 800:1
- Viewing Angle: 170° Horizontal, 170° Vertical
- Response Time (Tr/Tf): 13/12ms (Typ.)
- Touch Screen Interface: USB port
- Operating Voltage Range: DC 9V ~ 28V
- Power Supply: DC 12V
- Power Consumption: ? 50W
- Operating Temperature: -22°F ~ 185°F (-30°C ~ 85°C)
- Storage Temperature: -40°F ~ 194°F (-40°C ~ 90°C)
- Vibration: Operating Random Vibration Test (5-500Hz, 1.0Grms), IEC 60068-2-64 standard
- Shock: Operating Shock Test, 10G peak acceleration (11ms duration), IEC 60068-2-27 standard
- MTBF (Mean Time Between Failures): > 55,000 Hours or > 6.2 Years of continuous operation
- Dimension (mm): 398W x 264H x 44.7D
- Weight (lb): 9.55