



# Portrait 55"

Specification Sheet



PORTRAIT SPEC SHEET v3.1 / U.S. Patent No. 10225509 / EFFECTIVE 4/10/2024  
*Specifications are subject to change without notice.*

The Portrait is an all-in-one, multitouch and motion-based standing kiosk. It features a portrait-oriented LG commercial 55" 4K Ultra HD display rated 24/7, and TES (formerly 3M™) touch technology with support for 80 touch points. The Portrait comes standard with Windows 11 Pro and can run any supported PC applications.

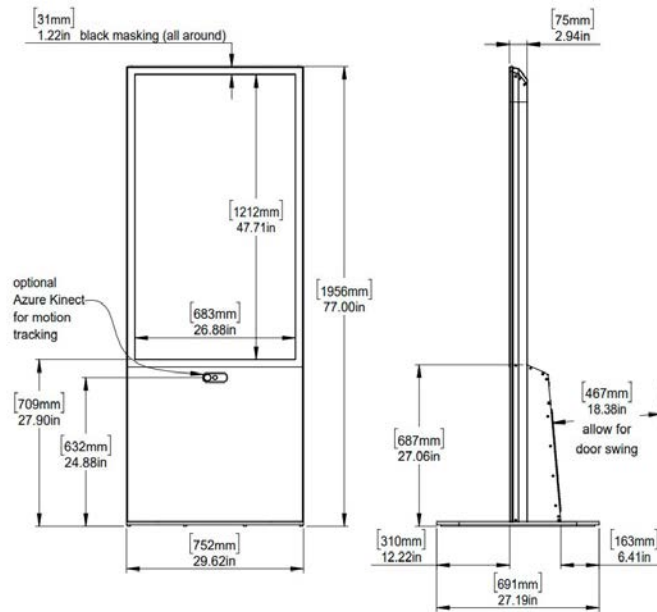


The Portrait is equipped with a powerful integrated Intel™ 14th Gen Core processor, the latest NVIDIA™ discrete graphics cards, and single push-button power. It is also designed to allow for the option of an integrated Microsoft™ Azure Kinect motion sensor in the base of the unit for touchless interaction.

The Portrait's sleek design is also incredibly tough. It is constructed from aircraft-grade aluminum and covered with a durable powder coat. Ideum displays use a patented manufacturing method.



The Portrait is quality-built in the USA and ships as a complete turnkey system with lockable, push-button operation—just plug it in and turn it on. All of Ideum's hardware is backed by a three-year warranty.



**WEIGHT**  
228 LBS  
104 KG\*

**SHIP WEIGHT**  
561 LBS  
255 KG\*

**WITH TRAVEL CASE**  
532 LBS  
241 KG\*

*\*Weights may vary slightly.*

### Interactive Display

- › 4K UHD (3840x2160) LG commercial display rated 24/7
- › 55" diagonal, strengthened, anti-stiction, 4mm glass surface
- › TES (formerly 3M™) projected capacitive touch sensor
- › ±5 ms touch response time
- › 80 touch points with palm rejection
- › Native contrast ratio 1100:1
- › 500 nit (cd/m2) luminance

### Integrated System

- |  |   |  |
|--|---|--|
| <ul style="list-style-type: none"> <li>› Single push-button power</li> <li>› Custom lockable enclosure</li> <li>› Windows 11 Pro</li> <li>› Universal 110-240V power system</li> <li>› 4 amps or 400W at max load, approximately 1 amp at idle</li> <li>› Two 10W integrated speakers</li> </ul> | <p><b>STANDARD</b></p> <ul style="list-style-type: none"> <li>› Intel 14th Gen Core i5-14600K processor</li> <li>› NVIDIA RTX A2000 6GB graphics card</li> <li>› 16GB DDR5 RAM</li> <li>› 250GB M.2 NVMe SSD</li> </ul> | <p><b>PERFORMANCE</b></p> <ul style="list-style-type: none"> <li>› Intel 14th Gen Core i7-14700K processor</li> <li>› NVIDIA RTX 4000 16GB Ada Generation graphics card</li> <li>› 32GB DDR5 RAM</li> <li>› Dual 250GB M.2 NVMe SSD</li> </ul> |
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### Connectivity

- › TPM/TPP compatible for secure environments
- › WiFi 802.11 a/b/g/n/ac, Ethernet, Bluetooth 5.0
- › Wireless keyboard with integrated trackpad
- › Audio output via 1/8" audio jack
- › Microsoft™ Azure Kinect motion sensor for zero-touch interaction (optional)
- › HDMI Output (PC)
- › RFID (optional)
- › Direct access via USB ports
- › Communication hardware can be removed upon request for secure environments

## Software



The Portrait touch kiosk comes with Windows 11 Pro and supports PC applications. Applications that are optimized for touch work best.

Ideum offers custom software development. We have experience developing interactive applications mostly for public spaces. Our expertise in a broad range of programming environments allows our work to span the realms of informal and formal education, interactive technology, art, and entertainment.

### ALSO AVAILABLE



#### RFID Utility

**Ideum multitouch products include an optional RFID utility for enhanced functionality.**

Our new and improved RFID software allows you to automate system tasks, launch and switch applications, and more with a single movement. This useful utility is free for Ideum touch table owners.

Learn more at: [ideum.com/news/rfid-reader-app](https://ideum.com/news/rfid-reader-app)



## Customizations



### Mounted Hardened Camera Enclosure

An all-aluminum enclosure for Microsoft Azure Kinect or Logitech Webcams.



### Colors and Finishes

Available in hundreds of RAL color and finish options. (1–2 weeks additional lead time.)



### ATA Flight Case

Reusable travel case with locking casters and locking latch clasps.

## About Ideum

Ideum designs experiences for public spaces, offering exhibit design, AV, and software development services to museums, nonprofits, and socially responsible companies. We are proudly based in Corrales, New Mexico, and collaborate with creative partners worldwide.

### SALES & DESIGN INQUIRIES

We sell our multitouch tables and displays directly, both in the USA and internationally. Ask us how to turn your interactive goals into amazing reality.

Use our [online inquiry form](#)  
Email: [sales@ideum.com](mailto:sales@ideum.com)  
Phone: (505) 792-1110 ext. 1

### WARRANTY & SUPPORT

Our products are custom-built with only the highest quality components available and are designed to last. We back all of our hardware, including custom exhibits, with a three-year warranty. The same people who design and build our systems provide our timely support.

Submit a ticket: [support.ideum.com](https://support.ideum.com)  
Email: [support@ideum.com](mailto:support@ideum.com)  
Phone: (505) 792-1110 ext. 2

**Hours: 8:00 AM – 5:00 PM Mountain Time, Monday through Friday.**

The Colossus, Drafting, Pano, Platform, Pico, Pro, Reader Rail, and Inline touch tables and the Portrait and Presenter touch displays from Ideum are designed, manufactured, and made in the USA of U.S. and imported parts.



Compliant with height and reach requirements for the Americans with Disabilities Act standards for accessibility. Learn more about Ideum's commitment to accessibility at [www.ideum.com/ada](https://www.ideum.com/ada)

*IMPORTANT NOTICE TO PURCHASER: Specifications are subject to change without notice. Ideum hardware and software are warranted from the date of receipt to the period stated in the warranty. Please note that under Ideum's warranty, Ideum has no obligation for any hardware product that is modified or damaged through misuse, accident, neglect, or subsequent integration, service, or tampering, by anyone other than Ideum or an Ideum-approved entity or individual. Ideum makes no additional warranties, express or implied, including but not limited to any fitness for a particular purpose. The User is responsible for determining whether Ideum hardware products or software are fit for the User's particular purpose. If the hardware product or software are proven not to have met Ideum's warranty, then Ideum's sole obligation and User's and Purchaser's exclusive remedy will be, at Ideum's option, to repair or replace the product or refund its purchase price. Ideum shall not be liable in any action against it in any way related to the hardware products or software for any loss or damages, whether non-specified, direct, indirect, special, incidental or consequential (including downtime, loss of profits or goodwill) regardless of the legal theory asserted. Please see our full warranty for complete details.*