



I Display Specifications

MT550 MultiTaction Cell 55" Full HD LCD Stackable

| Display Specifications | MT550 |
|------------------------|------------------------|
| Display Technology | TFT LCD |
| Display Size | 55" 16:9 Wide |
| Native Resolution | Full HD 1920 x 1080 |
| Display Colors | 16.7 million |
| Display Active Area | 1209 x 680 mm |
| Pixel Pitch | 0.63 x 0.63 mm |
| Pixel Response Time | 8 ms grey to grey |
| Brightness | 250 cd/m ² |
| Contrast Ratio | 4000 :1 typical |
| Picture Frame Rate | 60 Hz |
| Backlight | White LED Matrix Array |
| Viewing Angle | 178° |

| Touch Sensing Hardware | |
|------------------------|---|
| Touch technology | Computer Vision Through Screen |
| Tracking Speed | Up to 200 Hz |
| IR Source & cameras | Integrated Backlight Emitter Camera modules |
| IR Wavelength | 850 nm |

| Touch Surface | |
|----------------------|--|
| Display Safety Glass | Tempered 4 mm Optiwhite Glass covering whole front surface |

| Interfaces | |
|---|--------------------|
| Video Input | DVI-D, DisplayPort |
| Control Input | USB B, Ethernet |
| Auxiliary input for keyboard, mouse, and extra memory | 3 x USB A |
| Power Connector | IEC C14 |

| Electrical Specifications | |
|---------------------------|----------------------|
| Power Supply | 100-240 VAC 50/60 Hz |
| Power Consumption | 450 W |

| Touch Details | |
|-------------------------------------|--|
| Tracking Software | Embedded MultiTaction Extensible Hybrid Tracking Engine |
| Touch Input Types | Single finger, multiple fingers, single hand, multiple hands and users, objects with optical markers. Click, hold and drag |
| Hand Recognition | Each finger identified to certain hand |
| Object Recognition | Supported with 2D fiducial markers |
| Number of Simultaneous Touch Inputs | Unlimited ¹⁾ |
| Number of Simultaneous Users | Unlimited (separate hands) ¹⁾ |
| Positional accuracy | 2 mm, directional compensation |
| Relative accuracy | Sub-pixel accuracy |
| Touch Latency | 10 ms typical ²⁾ |
| Tracking Data Outputs/APIs | Multi-Format Tracking Output: Low level C++, TUIO, XML stream, Windows 7 Touch |
| Operating System Support | Windows 7, Linux, Mac OS X |
| Development Environment Support | Most major programming languages and environments (MS surface 2 SDK, TUIO-compatible systems) ³⁾ |
| Software Development Kit | Cornerstone SDK available for C++/OpenGL (Windows 7, Linux, Mac OS X) |
| Stackability | Up to 24 Cells can be connected to run a single Multi-touch application |

| Environment Specifications | |
|----------------------------|------------------------------------|
| Operating Temperature | 0 to +35 degrees C |
| Storage Temperature | -10 to +60 degrees C ⁴⁾ |
| Relative Humidity | Non-condensing 80% |

| Dimensions and Weight | |
|-----------------------|-------------------------------------|
| Physical Dimensions | 1242 x 715 x 199 mm |
| Bezel width | 16 mm (bottom & sides), 17 mm (top) |
| Weight | 40 kg (+5kg for two legs) |
| Color | Black |
| Shipping Dimensions | tbd |
| Shipping Weight | tbd |

| Display Mounting | |
|--------------------|---------------------------------|
| VESA Mount | 800 x 400 mm, M8 screws |
| Mounting positions | Vertical |
| | Horizontal |
| | Angled position |
| | Table position |
| | Display Array 2-24 Units |
| | Symmetric or asymmetric layouts |

| Cooling | |
|-------------------|--|
| Cooling system | Forced Air |
| Convection method | Low Noise Variable Speed Internal Fans |
| Noise Level | 15 - 25 dBA |

| Miscellaneous | |
|--------------------|---------------|
| Agency Approvals | CE |
| RoHS Compliant | Yes |
| Expected Life-time | Over 60,000 h |
| Warranty | 1 Year |

| Sales Package Contents | |
|----------------------------------|--|
| Display Unit | 1 |
| Power Cords | 5 m, EUR, US, GB |
| Digital Video Cable | DVI-D 5 m |
| USB A-B Cable | 5 m |
| Cat5e Ethernet Cable | 5 m |
| Display stand | Table stand for landscape/portrait use |
| Protective/autocalibration sheet | 1 |
| Mounting rail bits | 4 pcs |
| Warranty Card | |
| Quick Start Guide | |
| Product Manual | English version |

- 1) Practically limited by how many people can fit next to display array.
- 2) Measured from touch to processed tracking data output. Overall latency is more and depends on the computer, operating system and application used.
- 3) See Cornerstone data sheet for more details.
- 4) Allow at least two hours for temperature normalization before switching on.

Specifications subject to change without notice.

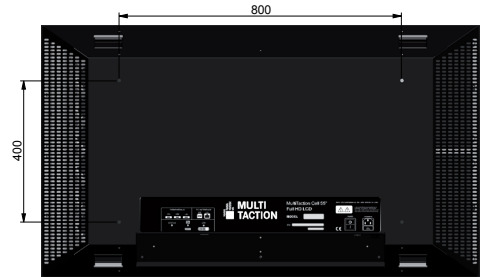
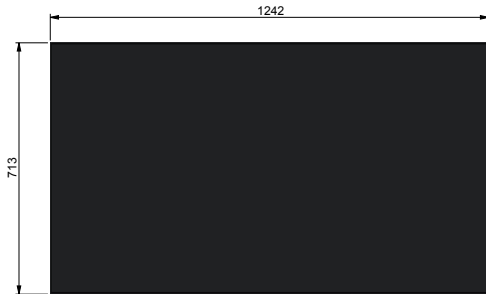


I Dimensions

MT550

MT550 Dimensions

All dimensions in millimeters



The MultiTaction® Cell 55" is only 20 cm (8") deep, but over 120 cm (47") wide and over 71 cm (28") tall.

A pair of table stand supports for landscape or portrait mounting are included.

Official MultiTaction® Cell video:

<http://www.youtube.com/multitouchfi#p/a/u/0/7ve44jMgrvk>

MultiTaction® Cell Technology video:

<http://www.youtube.com/multitouchfi#p/a/u/1/kwpc1PDQWY>

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