



Display Specifications

MT550S 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 | 400 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 |
| Control Input | 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 | 1370 x 520 x 950 mm |
| Shipping Weight | 74 kg |

| | |
|--------------------|---------------------------------|
| 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 | 30 - 40 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 | 2 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.
* Not operational. Reserved for future use.



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.

/// For commercial enquiries, please contact:

MultiTouch Ltd:
Email: sales@multitaction.com
Phone: +358 45 630 8580

MultiTouch Americas:
Email: sales-us@multitaction.com
Phone: (888) 716 8584

MultiTouch Asia
Email: sales-asia@multitaction.com
Phone: +65 6513 9980

Specifications subject to change without notice. MultiTaction[®] is a registered trademark of MultiTouch Ltd.

© Copyright 2014 MultiTouch Ltd, November 2014