

## I Display Specifications

## Multiuser interactive LCDs for single display applications MT550W7 MultiTaction Cell 55" Full HD LCD Embedded Windows 7

Display Specifications	MT550W7		
Display Technology	TFT LCD	Software Development Kit	Cornerstone SDK available for C++/OpenGL
Display Size	55" 16:9 Wide		(Windows 7, Linux, Mac OS X)
Native Resolution	Full HD 1920 x 1080	Stackability	Up to 24 Cells can be connected to run a
Display Colors	16.7 million		single Multi-touch application with external
Display Active Area	1209 x 680 mm		computer
Pixel Pitch	0.63 x 0.63 mm		·
Pixel Response Time	8 ms grey to grey	Environment Specifications	
Brightness	400 cd/m <sup>2</sup>	Operating Temperature	0 to +35 degrees C
Contrast Ratio	4000 :1 typical	Storage Temperature	-10 to +60 degrees C (4
Picture Frame Rate	60 Hz	Relative Humidity	Non-condensing 80%
Backlight	White LED Matrix Array	nciative Harmany	Non condensing 60 %
Viewing Angle	178°	Dimensions and Weight	
Mewing Angle	176		1242 x 715 x 199 mm
T 16		Physical Dimensions	
Touch Sensing Hardware		Bezel width	16 mm (bottom & sides), 17 mm (top)
Touch technology	Computer Vision Through Screen	Weight	40 kg(+5 kg for two legs)
Tracking Speed	Up to 200 fps	Color	Black
IR Source & cameras	Integrated Backlight Emitter Camera modules	Shipping Dimensions	tbd
IR Wavelength	850 nm	Shipping Weight	tbd
Touch Surface		Display Mounting	
Display Safety Glass	Tempered 4 mm Optiwhite Glass covering	VESA Mount	800 x 400 mm, M8 screws
——————————————————————————————————————	whole front surface	Mounting positions	Vertical
	whole front surface	Mounting positions	
			Horizontal
Embedded Computer Specifications			Angled position
CPU	Intel® Core™ i7 Quad Core		Table position
RAM	8 GB		
Hard disk	128 GB SSD	Cooling	
Graphics	NVIDIA GTS450 1GB	Cooling system	Forced Air
Operating system	Windows 7 64-bit ENG	Convection method	Low Noise Variable Speed Internal Fans
		Noise Level	30 - 40 dBA
Interfaces			
Video Input	DVI-D	Miscellaneous	
Control Input	Ethernet	Agency Approvals	CE
	Ethernet		
Auxiliary input for keyboard,		RoHS Compliant	Yes
mouse, and extra memory	3 x USB A	Expected Life-time	Over 60,000 h
<u>Audio out</u>	RCA	Warranty	1 Year
Power Connector	IEC C14		
		Sales Package Contents	
Electrical Specifications		Display Unit	1
Power Supply	100-240 VAC 50/60 Hz	Power Cords	5 m, EUR, US, GB
Power Consumption	490 W	Digital Video Cable	DVI-D 5 m
		USB A-B Cable	5 m
Touch Sensing Details		Cat5e Ethernet Cable	5 m
	Embaddad MultiTaction Extansible Hubrid		Table stand for landscape/portrait use
Tracking Software	Embedded MultiTaction Extensible Hybrid	Display stand	
	Tracking Engine	Protective/autocalibration sheet	1
Touch Input Types	Single finger, multiple fingers, single hand,	Mounting rail bits	2 pcs
	multiple hands and users, objects with opti-	Warranty Card	
	cal markers. Click, hold and drag.	Quick Start Guide	
Hand Recognition	Each finger identified to certain hand	Product Manual	English version
Object Recognition	Supported with 2D fiducial markers		
Number of Simultaneous Touch Inputs			
Number of Simultaneous Users	Unlimited (separate hands)(1		
Positional accuracy	2 mm, directional compensation		
· · · · · · · · · · · · · · · · · · ·	<u> </u>		
Relative accuracy	Sub-pixel accuracy		
Touch Latency	10 ms typical <sup>(2</sup>		
Tracking Data Outputs/APIs	Multi-Format Tracking Output: Low level C++,	Practically limited by how many peop	nle can fit next to display array
	TUIO, XML stream, Windows 7 Touch		
		<ol> <li>Measured from touch to processed tracking data output. Overall latency is more and depends on the computer, operating system and application used.</li> </ol>	
Operating System Support	Windows 7. (Linux, Mac OS X with external	depends on the computer, operating	g system and application used.
Operating System Support		depends on the computer, operating 3) See Cornerstone data sheet for more	
	Windows 7. (Linux, Mac OS X with external computer)	3) See Cornerstone data sheet for more	
Operating System Support  Development Environment Support	Windows 7. (Linux, Mac OS X with external computer)  Most major programming languages and	See Cornerstone data sheet for more     Allow at least two hours for tempera	details. ture normalization before switching on
	Windows 7. (Linux, Mac OS X with external computer)	3) See Cornerstone data sheet for more	details. ture normalization before switching on notice.

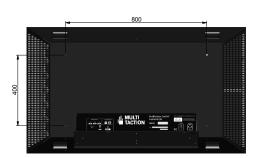


## Dimensions MT550W7

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:

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