



MT557D Specifications

MULTITACTION MultiTaction 55" Full HD LCD

Display Specifications	MT557D
Display technology	TFT LCD
Display size	55" 16:9 Wide
Native resolution	Full HD 1920 x 1080 (1080p)
Display colors	16.7 million
Display active area	1209.6 x 680.4 mm
Mullion	≤ 5.8 mm pixel to pixel
Pixel pitch	0.63 x 0.63mm
Pixel response time	8 ms grey to grey
Brightness	700 cd/m ²
Contrast ratio	4000 : 1 typical
Glass attachment	Edge bonded
Picture frame rate	60Hz
Backlight	White LED matrix array
Duty cycle	100% (Designed for 24/7 operating environments)
Viewing angle	178°
Touch Detection Hardware	
Touch technology	Clearsight Touch (Machine Vision Through Screen)
Tracking speed	120 fps
IR wavelength	850 nm
Touch Surface	
Display surface	Tempered 3.2mm extra white glass
Surface treatment	Antimicrobial, Anti-glare, easy-to-clean
Cleaning	Resistant to the most frequently used alcohol-, aldehyde-, hydrogen peroxide- and chlorine-based disinfectants.
Interfaces	
Video input	DisplayPort
Control input	Ethernet
Auxiliary input for keyboard, mouse and memory	3 x USB A
Power connector	IEC C14
Electrical Specifications	
Power supply	100-240 VAC 50/60Hz
Power consumption (maximum)	300W
Power consumption (typical)	200W
Inrush current	≤ 25 A peak
Dimensions and Weight	
Physical dimensions	1216 x 687 x 167 mm (W x H x D)
Bezel width	≤ 3.5 mm
Weight	42 kg / 92.6 lbs.
Color	Black
Shipping dimensions	1376 x 922 x 532 mm (W x H x D)
Shipping weight	63 kg / 139lbs.

Environmental Specifications	
Operating Temperature	0 to +35 degrees C
Storage Temperature	-10 to +60 degrees C ¹
Relative Humidity	Non-condensing max. 80%
Touch System Details	
Tracking software	Clearsight Touch Engine
Interaction methods	Single finger, multiple fingers, single hand, multiple hands and users, objects with optical markers, infrared pen. (Tap, hold and drag)
Hand recognition	Each finger orientation recognized, and fingers identified to certain hand
Object recognition, infrared pen	Supported with 2D Codice markers. Unlimited simultaneous pen and touch input.
Number of simultaneous touch Inputs	Unlimited
Number of simultaneous users	Unlimited (separate hands)
Positional accuracy	2mm, directional compensation
Relative accuracy	Sub-pixel level of accuracy
Touch latency	10 ms typical ²
Tracking data outputs/ APIs	Multi-Format Tracking Output: Low level C++, TUIO, Windows Touch
Operating system support	Windows 10, Linux and OS X
Development environment support	Most major programming languages and environments (e.g. Windows touch, TUIO-compatible systems)
Array stacking	Up to 45 Displays can be connected to run a single unified array.
Display Mounting	
Mounting points	Corner mounted, M8 screws
Mounting positions	Landscape, Portrait, Table
	Multiple mount solutions are available for different applications. CAD files available on request.
Cooling	
Cooling system	Forced air
	(Utilizes low noise variable speed internal fans)
Sales Package Contents	
Display unit	1
Power cords	EUR, US, GB, 3 m
Digital video cable	DisplayPort, 3 m
Cat6 Ethernet cable	3 m
Display stand	Stand for landscape/portrait use
Product manual	English version

¹Allow at least two hours for temperature normalization before switching on after storage above or below operating temperatures.

² Measured from touch to processed tracking data output. Overall latency depends on the computer, operating system and application used.



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Dimensions in mm

