MT556XNB Specifications

MultiTaction Cell 55" Full HD LCD Extreme Narrow Bezel

Display Specifications	MT556XNB
Display Technology	TFT LCD Extreme Narrow Bezel
Display Size	55" 16:9 Wide
Native Resolution	Full HD 1920 x 1080
Display Colors	16.7 million
Display active area	1209.6 x 680.4 mm
Mullion	≤ 4.5 mm pixel to pixel
Pixel pitch	0.63 x 0.63mm
Pixel response time	8 ms grey to grey
Brightness	700 cd/m2
Contrast ratio	4000 : 1 typical
Glass attachment	Optically bonded
Picture frame rate	60Hz
Backlight	White LED Matrix array
Viewing angle	178

Touch sensing hardware

Touch technology	Clearsight Touch (Computer Vision Through Screen)
Tracking speed	120 fps
IR Wavelength	850 nm

Touch surface

Display Surface	Gorilla Glass, optically bonded
Surface Treatment	Anti-glare

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 VAC50/60Hz
Power Consumption (maximum)	400W
Power Consumption (standby)	33W
Inrush current	≤ 25 A peak

Touch Sensing 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 (1
Number of Simultaneous Users	Unlimited (separate hands) (1

Positional accuracy	2mm, 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, 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) (3
Software Development Kit	Cornerstone 2.1 SDK available for JavaScript/C++/ OpenGL (Windows 10, Linux, Mac OS X)
Stacking	Up to 32 Cells can be connected to run a single Multi-touch application with an external computer

Environmental Specifications

Operating Temperature	0 to +35 degrees C
Storage Temperature	-10 to +60 degrees C (4
Relative Humidity	Non-condensing max. 80%

Dimensions and Weight

Physical Dimensions	1214.4 x 685.2 x 165.1 mm (W x H x D)
Bezel Width	≤ 2.5 mm
Weight	34 kg / 75 lbs.
Color	Black
Shipping Dimensions	1376 x 929 x 532 mm (W x H x D)
Shipping Weight	58 kg / 128 lbs.

Display Mounting

Mounting Points	Corner Mounted, M8 Screws
Mounting Positions	Landscape, Portrait

Cooling

Cooling System	Forced Air
Convection Method	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	Table stand for landscape/portrait use
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.

Dimensions in mm

1214.4

685.2

165.1

114.1

20

M8

40

20

40