

# Sharp/NEC Projected Capacitive Touch Screen Displays

## About the Projected Capacitive Solution

Sharp/NEC's line of projected capacitive (PCAP) touch displays are engineered to create maximum visual impact and interactive capabilities through seamless simplicity. The display with integrated touch will ship as a complete solution directly to the end user. PCAP technology allows for ultra-fast response times, 40-point of simultaneous touch, and full HID compliance for plug and play connectivity.



### Multi-Touch Screen

True multi-touch support with up to ten simultaneous touch points for all major operating systems



### Robust Design

Full steel chassis with simplified hook and lock installation



### 24/7 Runtime

Around the clock functionality



### HID Compliant

Maximum compatibility with numerous operating systems, plug-and-play



### Ultra-Fast

Response time allows for split second reactions between touch point and screen. Rapid and smooth touch response



### Tempered Glass

In the event of a glass failure, tempered glass breaks down into pebbles rather than shards, leaving a minimal safety hazard.

43"



50"



55"



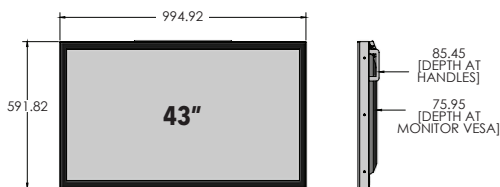
65"



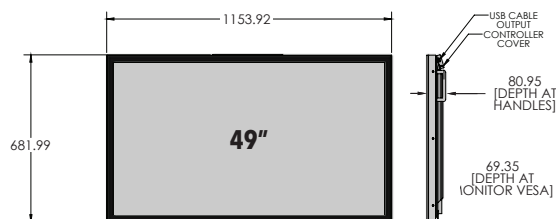
Part Number		M431-PT, MA431-PT, P435-PT	M491-PT, MA491-PT, P495-PT	M551-PT, MA551-PT, P555-PT	M651-PT
Glass	SIZE	43"	50"	55"	65"
	Thickness	4mm			
	Type	Tempered			
	Light transmission	TPLuminousness is 83%			
Touch	Touch Tecnology	Projected Capacitive			
	Number of Touches	40-Point (limitations with MacOS, Linux, and Android)			
	Response Time	8 ms			
	Touch Method	Finger or gloved hand			
	Data Interface	HID via USB 2.0			
	Accuracy	0.1% of sensor diagonal			
Power Supply Mode		Single USB connection (5v, 1A)			
Runtime		24/7			
Aspect Ratio		16:9			
Orientation		Portrait / Landscape			
Width/Height/Depth Including Monitor		39.17 x 23.3 x 3.36 in. / 994.92 x 591.82 x 85.34 mm	45.43 x 26.85 x 3.19 in. / 1154 x 682 x 81 mm	50.33 x 29.47 x 3.19 in. / 1278.45 x 748.45 x 80.95 mm	60.08 x 35.47 x 3.24 in. / 1525.95 x 900.85 x 82.27 mm
Total Net Weight		65.7 lbs. / 29.86 kg.	84.67 lbs. / 38.4 kg.	98.2 lbs. / 44.64 kg.	141.8 lbs. / 64.32 kg.
CONNECTIVITY	Input Terminals	Digital	HDMI 2.0 x2, DP 1.2 x1		
		Analog	N/A		
		Audio	N/A		
		External Control	LAN (100Mbit), 3.5mm Mini Jack IR Remote, RS-232C		
	Output Terminals	Data	USB 2.0 (5V/2A, Media Player)		
		Digital	N/A		
		Analog	N/A		
		Audio	3.5mm Mini Jack		
External Control	N/A				
Supported Operating Systems		Windows 10, 8, 7, Ubuntu 12.04, Linux, Android, Chrome OS, Mac OS X Yosemite (single touch support or multi-touch support through UI/O bridge)			
Ships With		3m Power cord, 2.0m HDMI cable, Wireless remote control, Batteries, Setup Guide			
Other Accessories		SDM-VICW-IS PC Option Card, SDM-VI3W-IS (49"+ Only), SDM-VI5W-IS (49"+ Only), SDM-12GSDI Option Card, SDM-HDBT Option Card, Raspberry Pi Compute Module 4 with optional NEC Interface Board (MPI4E), Human Sensor (KT-RC3)			

### Solution Sizes Available

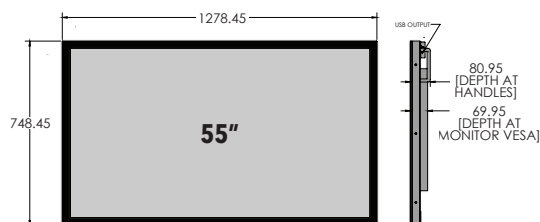
#### M431-PT, MA431-PT, P435-PT



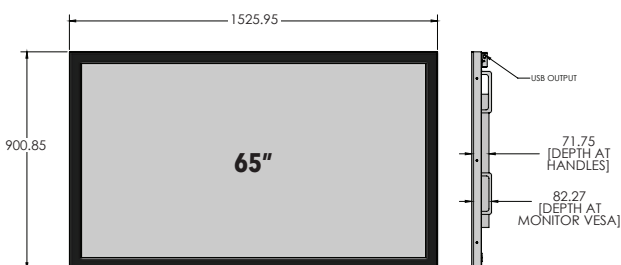
#### M491-PT, MA491-PT, P495-PT



#### M551-PT, MA551-PT, P555-PT



#### M651-PT



Dimensions shown in mm  
Projected Capacitive Touch Screen Overlay Patent Pending

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