



Tactonic Technologies

Touch Demonstrator/Development Kit Sensor Specification

Parameter	Dev Kit	Sensor Capabilities	Notes
Size	8"x8" 203x203mm	¼"x ¼" to 24"x24"	Custom Size and Shapes. Tiling Sensors to any size
Element Density	¼" 6.35mm	1/6" to any size 4mm to any size	Custom to Application
Positional Accuracy	100+ dpi	(1)	Application Specific Tuning Available
Frame Rate	100+ fps	(1)	Application Specific Tuning Available
Power Source	USB	(2)	Dev Kit uses USB Power as per custom design
Sensing Current requirement	~ 2mA	(2)	
Touch Detection Latency	<10ms	(2)	
Communication	USB	USB, UART, SPI, I ² C, CAN	
Sensitivity (pressure value steps)	0.6 gram steps		Application Specific Tuning Available
Touch Disambiguation Resolution	¼" 6.35mm		Application Specific Tuning Available
Software Interface	C++, C#, Java API's		Win/Mac support, select Linux
Touch resolution	100+ DPI		
Operational Temperature	-40°C – 85°C		Below -20°C activation force may change by up to 10%
Minimum Activation Pressure (Break Force)	~4g / forcel	(3)	
Max Sensing Pressure	~200g / forcel	(3)	
Force Sensing Step Size	~0.5g	(3)	

(1) Size and Electronics dependent

(2) Electronics Dependent

(3) Custom Dynamic Ranges Available

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