

Add versatility and performance to your equipment by including zForce optical sensing technology to any display or surface—even in the most demanding environments.

Don't settle for ordinary touch controls or display panels when you can design in a reliable, rugged and economical zForce into your next product today!





## **Climate Independent**

Outfit your display for bad weather or dirty environments with easily adjustable detection distance.



#### Gloves On!

Neonode Touch Sensors work with all gloved hands—regardless of glove material or thickness.



### **Light Resistant**

Neonode Technology works in environments with intense or glaring light without any aging effect.



### No Electromagnetic Interference (EMI)

Neonode Sensors provide reliable interaction without EMI issues in sensitive environments.



### Temperature Robustness

Neonode Touch Sensors add interaction to any surface in hot or cold temperatures without degradation.

Over 66 million consumer products and 4 million cars have used zForce. Contact your regional Neonode Sales Representative to design zForce Optical Sensors into your next application.



www.neonode.com

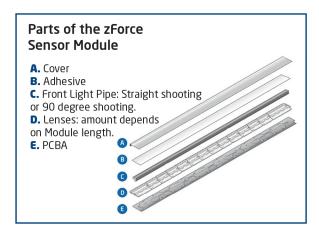
# **Technical & Touch Performance Specifications**

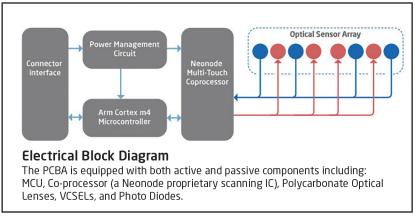
## **Technical Specifications**

ltem	Sensor Variant		Specifications
Module Size (L x H x W)	0° Type	L x 3.46 x 14.5 mm	(L depending on product variant)
	90° Type	L x 3.46 x 15.45 mm	(L depending on product variant)
Power Consumption I2C Interface Active mode (100 Hz)	72 mm Sensor	57 mW	
	208.8 mm Sensor	80 mW	
	345.6 mm Sensor	104 mW	
Power Consumption I2C Interface Active mode (25 Hz)	72 mm Sensor	44 mW	
	208.8 mm Sensor	45 mW	
	345.6 mm Sensor	47 mW	

# **Touch Performance Specifications**

Item	Specifications		
Input methods	Finger, hand or glove		
Minimum object size (diameter)	5 mm		
Number of touch objects	1,2, or more (depending on application)		
Touch accuracy	<5 mm for sensors >180 mm	<7.5 mm for sensors <180 mm	
Touch Resolution	0.1 mm		
Touch activation force	0 N (No activation force required)		
Touch active area	Up to 345.6 x 327.7 mm. For details go to; https://support.neonode.com (introduction)		
Response time	~ 50 ms	10 ms (continuous tracking at 100 Hz in active mode)	
Scanning frequency	Configurable up to 900 Hz, depending on product variant		







Neonode Technologies AB Storgatan 23C, 114 55 Stockholm, Sweden info@neonode.com www.neonode.com

### North American Sales:

Visit ConvergenceSales.com for the Neonode Sales Representative nearest you, or contact: Glenn ImObersteg glenn@convergencepromotions.com (408) 803-1332

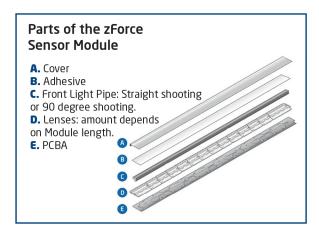
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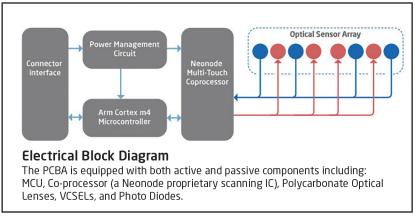
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