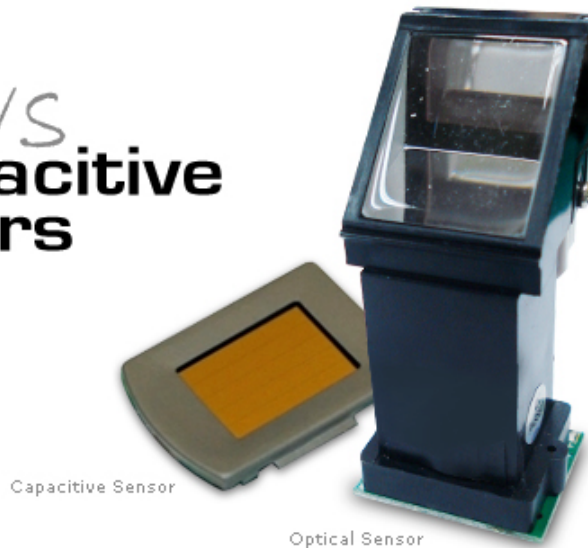




Optical Sensors *VS* Capacitive Sensors



	Optical Sensors	Capacitive Sensors
Sensor Type	Optical	Capacitive (Semiconductor or chip)
Sensor Surface	No special treatments or maintenance required	Usually needs surface treatments, including ESD and other protective coatings
Overall Durability	Scratch-proof, unbreakable glass platen made of material as hard as quartz Resistant to shock, ESD, and extreme weather	Corrodes easily from repeated handling and everyday exposure Susceptible to damage by electrostatic discharge
Imaging Area, Resolution, and Size	Large imaging area (0.5 inch x 0.6 inch) High resolution (500 dpi) Large image size (78,000 pixels)	Usually smaller imaging area, image size, and resolution due to greater cost of manufacturing larger, high quality chips
Cost-Effectiveness	Low manufacturing cost, long life, no maintenance required	Consistent quality surface coatings may be expensive to produce Replacement, maintenance, and downtime costs can add up
Warranty	One year	Information not readily available