

# Capaciflector Camera

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## DESCRIPTION

This technology is a capacitive type proximity sensor. The sensor includes a voltage source, a number of outer electrical conductors on a surface to form the electrodes of sensing capacitors, the other electrode being the intruding object. The outer conductors are made from thin sheets of conductive material covered with insulation. An intermediate electrical conductor is located between the outer conductors and the surface, and is of a size larger than the outer conductors to act as a shield for reducing the parasitic capacitance between the outer conductors and the surface. A current-measuring voltage-follower circuit is connected to the voltage source for coupling in phase and amplitude the instantaneous voltage at the voltage source to the outer electrical conductors and the intermediate electrical conductor.

## FEATURES AND BENEFITS

- The technology provides improved range and sensitivity between a surface and an intruding object

## APPLICATIONS

- Aviation
- Aerospace
- 3-D Imaging
- Collision Avoidance

## FOR MORE INFORMATION

If you are interested in more information or want to pursue transfer of this technology, GSC-13564-1, please contact:

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