

FEATURES & BENEFITS

Sensing by Ranging

- Sense not only by presence, but by distance
- Single Pixel Technology: ignores machine panels, consistently detects different-colored objects
- Multi Pixel Technology: allows user-defined sensing thresholds and windows
- Pulse Ranging Technology: measures long distances independent of object color



Sensing by Ranging

Technology	Single Pixel Technology (SPT)	Multi-Pixel Technology (MPT)	Pulse Ranging Technology (PRT)
How does it work?	Triangulates reflected light to differential diode	Triangulates reflected light to array	True time-of-flight calculation using reflected light pulses
What does it indicate?	If an object is closer than a defined distance	If an object is closer or farther than a defined distance or in a defined window	Distance to an object
Why use it?	To sense object while ignoring background or color variation	To customize sharply defined sensing thresholds and ranges	To measure distance

FEATURES & BENEFITS

TECHNICAL DATA



Sensing by Ranging

Single Pixel Technology (SPT)

Multi-Pixel Technology (MPT)

Pulse Ranging Technology (PRT)







TECHNICAL DATA

APPLICATIONS



Sensing by Ranging

- SPT: detect leaflet in carton, or sense leading edge of different-colored textiles
- MPT: web tensioning, level control of parts in a hopper, or detecting irregular parts on a conveyor belt
- PRT: measure thickness of material, monitor distance to stacker crane, or verify roll diameter



APPLICATIONS