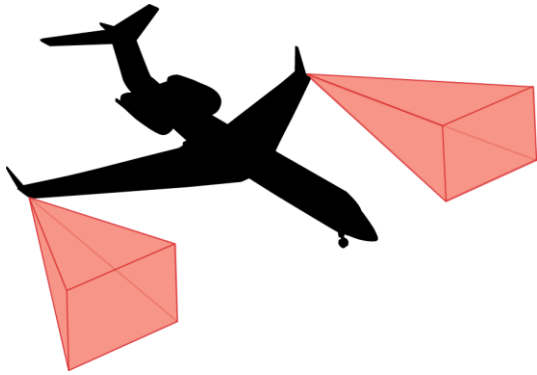


Airborne video cameras

Wingtip collision avoidance cameras



Ground collisions between airliners are more common than you might suppose. Busy airports, maneuvering aircraft, darkness and miscommunications between pilots and ramp control can all play a role in such incidents. Recently, a stationary US regional jet at New York JFK airport was whipped through 90 degrees after its fin was struck by the wingtip of a passing Airbus A380.

Collisions with ground vehicles, equipment, and airport structures also occur.

Ultimate responsibility for ensuring clearance for an aircraft's wingspan lies with its crew but this can be easier said than done. The wingtips of some aircraft are out of sight of the cockpit and a crew need only stray a few feet from a taxiway centerline for an impact to occur.

To help avoid these costly situations, we have developed wing-tip cameras long range business jets, which can be easily transitioned onto other platforms. Images of the area ahead of the wingtips are displayed on a monitor on the flight deck. The images show a superimposed red or green tint, delineating the difference between a dangerous or safe path of travel.



Left wingtip camera view (simulated)

Key features

- Aerodynamic design
- Fully integrated—no remote units
- High resolution—over 470 TVL
- Superimposed red/green danger line in display
- Line is factory adjusted for customer requirements:
 - horizontal position
 - angle
 - width
 - color
 - opacity

Applications

- Ground collision avoidance
- Situational awareness during ground maneuvers
- Hanger rash prevention

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