



COMPLIANCE

ICAO • Annex 14, Vol I

• Doc9157, ADM, Part 4

CAAC • AC-137-CA-2022-02

CENELEC • EN 50512

EASA • CS-ADR-DSN



FEATURES

• Accurate Identification

Millions of data points per second to accurately distinguish between similar aircraft in all weather conditions.

• Accurate Docking

Measurement accuracy < 10 cm. Predictive stop technology and dynamic speed control for more accurate docking.

• Flexible Operation

Fixed and mobile operator panels.

• More Reliable

High integration and modular design for ground maintenance.

• Safer Docking

Features such as emergency stops, apron barriers alerts, dirty lens detection and low visibility alerts provide safer docking.

• Vehicle Interference Free

Automatic identification of vehicles and humans to avoid errors.

• Thinner & Lighter

Half the weight and thickness of similar products.

• Farther & Faster

Capture distance > 200m and ten times faster in response.

TECHNICAL DATA

- Laser Scanning Technology: Long-range 3D LiDAR
- Laser Classification: Eye safety Class I
- Field of View: Horizontal 90° x Vertical 30°
- Scanning Accuracy: 0.1°
- Capture Distance: Up to 200m
- Azimuth Guidance Accuracy: 10cm
- Input Power: AC 90~260V, 50/60Hz
- Power Consumption: Avg. 400W
- Display Type: High intensity LED full color display
- Visibility Angle: 160°
- Brightness: >6500 cd/m²
- LED Pixel Pitch: P5
- Operating Temperature: -25°C ~ +60°C
- Wind Load: >44 m/s
- Snow Load: >1000 N/m²
- IP Classification: IP 65

FUNCTIONS

Safe Guidance and Docking

- Automatic activation and guidance of aircraft docking based on information from AODB/A-CDM.
- Capture an aircraft and identify the aircraft type from long distance.
- Checks the compatibility of aircraft and PBB.
- Guides the aircraft to its correct stop position in all weather conditions.
- Monitoring and control of SDGS units

Turnaround and Apron Management

- Continuously scan the complete gate area by 3D LiDAR, obstacles detection and alert to ensure the safe docking.
- Synchronize and data sharing with AODB/A-CDM.
- Interfaces and status monitoring of GSE.
- Interface capability to PBB.
- Monitoring and control of aircraft stand manoeuvring guidance lights.

Ramp Information Display

- Aircraft type
- Flight information
- GSE (PBB, GPU, PCA, etc.) availability.
- A-CDM process, AIBT, AOBT, etc.
- Meteorological information
- Customised messages

