FLY VISUAL

Type T2

Advanced visual berth guidance system (A-VDGS)

The system is safe and reliable, and can be used under various meteorological conditions.

Precision and reliability is a key factor in safety and efficiency

The Advanced Visual Berth Guidance System (A-VDGS) will prompt pilots when unsafe exist in the berth process.

FLY VISUAL The company's T1 berth gives full consideration to the safety and operability in the design, providing intuitive azimuth guidance and accurate target distance information for the chief and co-pilots, and realizing the safe, efficient and accurate flight entry when all-weather and no maintenance guide personnel.

Technology that can be trusted

FLY VISUAL The berth guidance system realizes the full record of the guidance process, independent log analysis software, reconstruct the guidance process, and facilitate the future query and analysis.

At present, only FLY VISUAL's 3D lidar technology in the world can conduct horizontal and longitudinal scanning of the aircraft station area, realizing 100% accurate capture and tracking of flights, and making the aircraft stop safely.

FLY VISUAL The operation is not affected by the ambient light, the system is stable and reliable, the effectiveness and safety are not affected by various weather conditions and night. Can meet a variety of visibility and weather conditions.

The T1 FLY VISUAL includes 3D lidar and high-resolution full-color LED displays, providing a fast and safe way to guide flights, suitable for all types of aircraft, compact berth areas and multi-center line seats. At the same time, during the berth guidance process, the apron scanning function can scan the apron obstacles. If the obstacle is detected, the stop order will be issued until the obstacle is clear to improve the safety of the berth

T1 LED display unit uses full-color high-resolution display screen, which can guide the docking guidance of the aircraft in a graphic way and display rich airport text or image information. It is an important part of the berth visual guidance system.
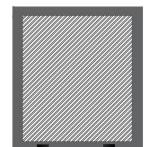
FLY VISUAL A-VDGS Type T2 main features:

- 3D lidar and CCD industrial camera cooperate for horizontal and longitudinal tracking of berth flights.

- 3D lidar and CCD industrial camera allow berth flights to achieve 100% matching accuracy.

- The berth guide unit of each station is not limited by the model and color, and can be used in various meteorological conditions and light conditions.

- The berth guide unit allows multiple center lines (T2 center line angle maximum 70.4 (horizontal) 77.2 (vertical)).

- The camera records the berth process and can be used as an apron monitor.

- Scan the apron within the laser scanning Angle to improve the safety.

- Directly connected with the information system to realize real-time information integration and data sharing.

- Real-time information can be viewed by remote client software on a licensed computer in the network.

- The operation panel and emergency stop button of the apron can operate the berth unit.

- Upgrade and maintenance is simple and easy, with high reliability and low operation cost.

Technical parameters of type T2 berth:

transducer technology:	3D lidar
Stop line accuracy:	10 cm
Stop line distance:	1 - 320 m
azimuth accuracy:	3 cm
Horizontal scan angle:	70.4°
Maximum separation angle of the centerline:	70.4 (horizontal) 77.2 (vertical)
Display type:	High intensity LED
LED configure:	T2-35 (35 LED modules)
LED resolution ratio:	32 x 32 diodes per module
LED color:	All modules All colors
Visual Angle:	170°
visual range :	320m
Number of RIDS characters:	130 static alpha/numeric; can alternate/scroll text on any line
Data interface :	Ethernet
Power supply:	110/220VAC
Laser classification:	Class 1 eye safe
Operational temperature:	-40℃ – +65℃
Wind load:	Up to 44 m
Snow load:	Up to 1000 N/m^2
IP classification:	IP55
Dimensions:	1,429 h x 1,003 w x 140 d mm
Weight:	100-110 kg