CESSNA 172
Dynamic flight simulator

C172Dynamic flight simulator ——Application scenarios

- Aviation school flight training
- Experience hall flight experience
- Aviation science research

Product Features

- The all-metal structure open simulated cockpit replicates the complete functions of the real aircraft;
- 1:1 simulated avionics system, including Garmin1000 integrated avionics system, backup table, magnetic compass, etc. (optional circuit breaker failure simulation system);
- The force loading system CLS (Control Loading System) with the same performance as professional training equipment is used to accurately restore the real flight control. Various forces of each control surface of the aircraft are fed back to the steering wheel (Yoke) and rudder (Rudder) through the cable mechanism.

Four-axis 3DOF three-degree-of-freedom motion system, the motion feels crisp and powerful, with low latency and high precision. Thanks to our motion system adjustment data and experience derived from top flight trainers, we can accurately present to users:

Sliding on different surfaces produces bumps and vibrations;

Somatosensory changes caused by attitude changes during flight;

The impact load at the moment of landing, and the load intensity will change with the grounding overload;

Under complex meteorological conditions, atmospheric environments such as turbulence and vortices have turbulence and other effects on aircraft.

- Fuselage structure: all-metal structure open cockpit
- Equipment size: 1.35M*1.5M*1.4M (length, width and height)
- Vision system: 135° triple screen vision
- Avionics system: G1000 avionics¥backup table
- Control system: Double power loading system CLS (Control Loading System)
- Motion platform: four-axis 3DOF three-degree-of-freedom motion system
- Electric cylinder acceleration: 200mm/s
- Electric cylinder movement stroke: 200mm
- Electric cylinder operating accuracy: 0.01mmMovement angle:
- pitch 10 degrees, roll 11 degrees

Product parameters