



Cessna C208B  
AATD

Certification Level:  
FAA-Certified Advanced ATD



# ELITE C208B: Your partner in aviation training

Elite Simulation Solutions is a global provider of IFR training software, flight controls and flight training devices. We build and support EASA, FAA, CASA, ANAC and DGCA (among others) approved flight training devices and offer custom programming to both private and government entities. Our hallmark is quality and our creed is excellent customer service.

Since 1987, ELITE® (acronym for Electronic IFR Training Environment) has provided IFR simulation software for pilots world wide. Quantum leaps in computer technology have allowed us to be aggressive in product improvement in both software and flight control engineering. This evolutionary process has resulted in open and flexible flight training systems for personal and institutional training programs. ELITE® offers desktop trainers and full cockpit training devices with multi-screen visual systems. We are committed to continual improvement and innovation and our goal is to provide pilots and schools with high tech / low cost simulation solutions.



## C208B Capabilities

## Features



### Training applications covered:

- Basic and advanced instrument training
- Navigation and procedural training
- Procedural and SOPs training
- Systems Familiarization
- Practice of instrument approaches not commonly used by particular crews
- ILS, VOR and NDB approaches
- PBN/RNP approaches (LNAV/VNAV/LPV)
- Hand flying and instrument scans
- Autopilot operation
- Crew familiarization of instruments and Panels
- Emergency procedures and drills
- VFR Emergency Training

### Key Devices Features

- G1000 replica with updatable world-wide data base.
- Realistic instrument panel and switches.
- Realistic Yokes, Pedal and throttle controls.
- Force feedback system on the Yokes & pedals.
- State of the art IOS with a unique touch screen failure system.
- Realistic Technisonic communication device.
- Realistic flight model designed in conjunction with Cessna 208 pilots.

## Why buy an Elite C208B?

- 35 Years of experience
- 450+ Elite Certified Simulators in 51 countries
- Certification Guaranteed
- ISO 9001 Company
- Small Footprint & Easy Facility
- 99.8% average uptime
- Easy Automatic QTG

## The Elite C208B:

- Train your students to use a Garmin
- Upgradable to FNPTII
- 4m curved visual option•
- Over 24000 airports available
- Excellent Marketing Tool

# Technical Proposal

## Flight Deck Specification

- **Cockpit enclosure:** The ELITE C208B enclosure consists of a Fiberglass shell which has been built to replicate the exact same shape and dimensions of the actual aircraft.
- **Controls:** Realistic Dual control Yokes, Rudder Pedals and Throttle quadrant. The Yokes have a force feedback system installed.
- **Avionics:** The G1000 Aviation component replica which functions almost exactly the same as the real G1000 ensures maximum transfer of learning and muscle memory retention but at a fraction of the cost.

## Simulation Specification

- **Force Feedback:** Force-feedback on the Dual Yoke ensures accurate feel to the control surfaces with changes in airspeed and weight configurations, resulting in a realistic control feel, which adds to the development of muscle memory and rapid emersion into the simulation scenario.
- **Aerodynamics:** ELITE makes use of the X-Plane software platform which with its open software philosophy allows data packages to be manipulated extremely accurately, thus ensuring a very accurate aerodynamic and realistic feel during flight. Our flight model software for the Cessna 208B Grand Caravan also developed with the aid of feedback from Cessna pilots to ensure an accurate flight model.



## Optional upgrades

- Steam gauges option possible
- Open Cockpit or full shell available



## Visual System

- 4m wide professional projection screen
- 220 degrees horizontal and 45 degrees vertical
- Three overhead projectors
- 5760 x 1080 pixels (6.2 million pixels)
- Eye Point Adjustment through IOS station

## Instructor Operator Station

- Control Panel (intuitive GUI)
- Enclosure with desk, two Flat panel touch monitors
- Software capable of easily repositioning the aircraft, adjusting time and weather
- Loading saved scenarios
- Track and Departure/Approach plots
- Simulation of a large variety of failures
- Display of a moving map that shows aircraft position, surrounding airports, and navigational aids

## Malfunction Systems & Characteristics

- Failures: engine, flight control, and navigation, hydraulic and electrical failures.
- Component correctly degrade with side effects (combined failures possible)

### All failures

- can be triggered manually or pre-programmed
- can be reset in flight without further consequences
- have their procedures rigorously implemented

Scenarios with armed failures can be saved to speed up the training.

FAA Authorized Use Under Part 61	Advanced ATD	FAA Authorized Use Under Part 141	Advanced ATD
Private Pilot Certificate	2.5 hrs fixed-wing	Private Pilot Certificate	Up to 15% of total required-fixed-wing
	7.5 hrs rotor-wing		Up to 3 hrs - rotor-wing
Instrument Rating	20 hrs fixed & rotor	Instrument Rating	Up to 40% of total required
Commercial Pilot Certificate	50 hrs fixed-wing	Commercial Pilot Certificate	Up to 20% of total required
	25 hrs rotor-wing	ATP Certificate	Up to 25% of total required
ATP Certificate	25 hrs fixed & rotor	Flight training & Instrument training	YES, Refer to LOA
Instrument Proficiency Check	YES	Recency of Flight Experience	YES
Instrument Practical Test	YES	Instrument practical and IPC	YES
Recency of Flight Experience (IFR, logging approaches)	YES		

## Delivery and Installation



Documentation & Manuals



Instructor Training



First class customer service



24 months warranty

## Your partner in aviation training



### Flight school

Individual solutions for all flight school requirements. Call us to discuss how we can help you maximize your potential.



### Certified

EASA, FAA, CASA, CAA, DGAC, DGCA approved flight simulation solutions.



### Price

Cost effective solutions without quality compromise. We will work with you to find the most cost effective solution.



## ELITE Simulation Solutions AG

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