



S812 Convertible FNPT II

Certification Level:
EASA CS-FSTD (A)
Issue 2 FNPT II



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 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.



S812 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 - if GPS Option is chosen
- Hand flying and instrument scans
- Autopilot operation
- Familiarization of instruments and Panels
- Practice of team Standard Operating Procedures
- Emergency procedures and drills
- VFR Emergency Training

Key Devices Features

- Autopilot
- Analog or glass cockpit
- Convertible SEP/MEP - Analog/Glass Cockpit
- The Instructor Operator Station software allows for an intuitive manipulation of aircraft systems and failures with customizable event triggers.
- Highly accurate airport modeling
- All phases of ground and flight operations, including all normal, abnormal, an emergency scenarios can be trained in detail.

Why buy an Elite S812?

- 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 S812:

- Upgradable to FNPTII MCC
- Elite XTS PRO Flight Model
- C172 / Piper Arrow IV / Piper Seneca III convertible.
- GTN650 or GTN750 capable
- Analog, semi-glass or E500 Glass cockpit



Technical Proposal



Visual System

- Single or multiple channel display
- Eye Point Adjustment for multi-pilot configuration
- Warping and Edge Blending
- Structure for projector support
- very high degree of immersion

Flight Deck Specification

- Analogue or E500 Glass cockpit instrumentation
- Generic switches Panels
- Generic Interior trim pieces
- Pedals with Dynamic Control Loading and toe brakes
- Professional grade Control Yoke
- Generic center console
- Generic style Flap levers complete
- Pilot seat
- Intercom system for communications between pilots and instructor
- Bendix-King Silver Crown Plus Avionics Stack

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 variety of failures
- Display of a moving map that shows aircraft position, surrounding airports, and navigational aids
- QTG test software

Simulation Specification

- Advanced flight dynamics
- Communication, navigation and other warning devices
- Relevant environmental sounds
- The cockpit skin is Fiberglass based
- Spacious enclosed instructor cabin

Malfunction Systems & Characteristics

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

All failures

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

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



Options

- Upgrade with GTN650 or GTN750
- Additional aircraft flight models (Cessna, Arrow, Seneca based)
- EFIS/Glass Cockpit/Multiple flight model

| License Rating | Training item | FCL Requirements | FNPT II | FNPT II MCC |
|-------------------|-----------------|------------------|---------|-------------|
| PPL | Training | 45 hrs | 5 hrs | 5 hrs |
| ATP Integrated | Instr. Training | 55 hrs | 40 hrs | 40 hrs |
| ATP Integrated | MCC | 15 hrs | - | 15 hrs |
| MCC | Training | 20 hrs | - | 20 hrs |
| CPL/IR Integrated | Instr. Training | 55 hrs | 40 hrs | 40 hrs |
| IR Modular | Instr. Training | 10 hrs | 5 hrs | 5 hrs |
| ATPL | Experience | 1500 hrs | 25 hrs | 25 hrs |

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.



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