

GENERAL DESCRIPTION

The ALX covers the following flight trainings:

- PPL
- ME
- CPL
- MCC
- IR
- Jet orientation

The ALX can also be used for the MPL:

- Core phase: ALX single and twin engine piston training
- Basic phase: ALX twin engine piston
- Intermediate phase: the powerful ALX can reduce this phase to a minimum
- Advanced phase: N/A FFS mandatory



COCKPIT DESCRIPTION

- Two-seat cockpit
- 2 headsets
- 2 oxygen masks with microphone
- Analogue instruments display
- Glass cockpit display
- Dual FMS
- Dual GNS 430 avionics
- Navigation database
- Quadrant levers adapted to each class of aircraft



VISUAL DESCRIPTION

The ALX is provided with the Alsim HD Visual System.

The specifications are:

- Vertical field of view: 49°
- Horizontal field of view: 208°
- 1920 x 1200 resolution (reach 5760 x 1200 with 3 projectors)
- 32-bit color definition
- 60 Hz frame rate
- Worldwide texture modeling
- Worldwide relief database
- Coastlines
- 3D detailed airports

INSTRUCTOR STATION DESCRIPTION

The instructor station:

- Enclosed instructor station
- Intuitive touch screen interface
- Color printer
- Headset
- Instructor seat
- Start-up panel

The instructor operating system allows the following functions:

- Map display
- Aircraft positioning / repositioning functions
- Position and weather presets
- Weather conditions adjustment
- TCAS and Weather Radar scenario settings
- Flight model selection
- Aircraft failures menu

ALX AIRCRAFT MODELS

The ALX is a flight training device able to simulate the following aircraft classes:

AIRCRAFT	CLASS	CLOSE TO	ANALOGUE	GLASS	DETAILS
Basic Single Engine	Piston	Cessna 172	X	X	Fixed propeller and gear
Complex Single Engine	Piston	PA28 Arrow	X	X	Variable pitch propeller, retractable gear
Multi Engine	Piston	PA44 Seminole	X	X	TCAS, Wx Radar
Small Twin Engine	Turboprop	King Air B200		X	TCAS, Wx Radar
Medium Twin Engine	Turboprop	ATR 42		X	Nose wheel steering, TCAS, Wx Radar
Light Jet	Turbofan	Citation II		X	FMS, TCAS, Wx Radar
Medium Jet	Turbofan	A320		X	FMS, nose wheel steering, TCAS, Wx Radar

DOCUMENTATION

The documentation provided with the ALX includes:

- Instructor manual
- Flight operating manuals
- Maintenance manual
- Qualification Test Guides for each certified flight model

GUARANTEE

The ALX is delivered with a 12 month guarantee. Hotline, spare parts and navigation database are included during the first year.

FSTD Qualification

SERVICES

Included training:

- Maintenance

FSTD qualification and compliance

- FSTD Flight Instructor

Instructor station and visual databases are updated quarterly (via internet connection).

- Telephone, email and Techlog ticket service

Monitoring support

- Software and hardware evolution services
- Incident diagnosis via secure internet connection (VPN)
- Yearly maintenance, recurrent training and checks
- Preferential prices on spare parts
- Preferential prices on labor and/or maintenance visits
- Maintenance spare parts kit

QUALIFICATION

those of the EASA and FAA:

- EASA CS FSTD A-FNPT II for piston models
- EASA CS FSTD A-FNPT II MCC for turbofan and turboprop models
- FAA 61-136 AATD
- TC TP9685E FTD Level 2 (+ IR renewal)

The ALX is operated worldwide with approval in:

- North America (US, Canada)
- Europe (France, Italy, UK, Norway, Poland, Greece, etc.)
- Africa (South Africa, Libya, Nigeria, etc.)
- Middle East (Qatar, UAE, Jordan)
- Asia (Turkey, South Korea)

INSTALLATION

Delivery time / transport:

- 6 month EXW after order
- Transport (sea/truck) DAP
- Transportation, installation and initial certification assistance included
- Installation by 2 technicians as a minimum
- All installation requirements transmitted to the client beforehand and sent back to our team for analysis
- Date of installation set in the best timeframe for your needs

Minimum room dimensions for the 208°

Panoramic Visual System:

- Room width: 7.00 meters
- Room length: 5.50 meters
- Room height: 3.30 meters

Access door dimensions:

The access door from outside the building to the simulator room should be (including intermediate doors or corridor):

- Door width: 1.91 meters minimum
- Door height: 2.14 meters minimum



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