



Airbus A320-200 (FT51)

Full-Flight Simulator

With our full-flight simulators we offer you a flight training that meets the latest technical standard and is tailor-made for the requirements of modern airlines. Naturally we adapt our simulators so that they reflect your fleet's systems environments and cockpit layouts as well as your airline's procedures. This enables you to orient your training to accord with your own line operations

Location

Essen, cooperation partner TFC Käufer (Simulator-ID: FT51)

Simulator

Simulator Manufacturer	CAE, Canada
In Service Date	March 2008
Aircraft Model	A320-214, A320-232
Registration (Master Aircraft)	Airbus Standard 1.5
Product No.	2W10
Simulator Host Computer	Server PC
Motion System	Series 5200 (42"), 6 DOF, digital, all-electric
Control Loading	electric

Aircraft System

Engine Version	
Primary Fit	CFM56-5B4
Secondary Fit	IAE V2527-A5

Auto Flight System

FMGS	H2C12 Rel. 1A (CFM), H2I11 Rel. 1A (IAE), Honeywell Release 1A;
FCU	EM2 Std.2, Thales Avionics Sa
FAC	CR121, Thales Avionics Sa (software simulation)

Electronic Flight Control System

ELAC	L91, Thales Avionics Sa (sEFCS)
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SEC L112, Thales Avionics Sa (sEFCS)
FCDC L56, LITEF GmbH (sEFCS)

Electronic Instrument System

DMC EIS2 / S8-2, Thales Avionics Sa (retarget software simulation incl. BUSS)
FWC H2-F5, Airbus France (software simulation)

TCAS II 7.1, Honeywell (software simulation)
Standby Instrument System Thales Avionics Sa (simulated instrument)

Visual

Visual System Manufacturer CAE, Canada
Type of Image Generator Tropos 6400 (3x 1920x1080 pixel)
Type of Display CAE Wide Mirror 180x40 deg FOV, "eyevis" LED Projectors ESP-LHD 1000 single chip DLP
Illumination Levels Day/Dusk/Dawn/Night
Number of Airport Scenes 36

Instructor Station

Display 2x19" LCD touch screens mounted on IOS table
Printer/Plotter Monochrome Laser Printer
Number of Malfunctions 150 Airbus standard
Automated Training Lessons available on request for Base Check, Conversion, LOFT, Refresher
Landing Training Individual definition of a generic airfield (RWY Characteristics: Length, Width, parallel RWY; RWY Lights: VLA, Appr. Lights)
Multiple Weather Simulation weather simulation on one airport plus weather simulation on 5 individual airports
Unusual Attitude Recovery Training available
Predictive Windshear Scenarios various FAA windshear profiles available
Non-Predictive Windshear Scenarios various windshear profiles for T/O and Landing available
TCAS various scenarios with individual definition of intruder trajectory available
ATIS available
FMS Flight Plan Copy / Load copy/recall of entered flight plans from IOS of predefined flight plans entered via FMGEC
Customer Options various customer options via IOS available

Options

Smoke yes

Qualifications

German LBA JAA Level D, annually, according to JAR-STD 1A Amendmendt 3
EASA-ID DE-1A-066

Simulator Fleet

At our locations in Frankfurt/Main, Berlin, Bremen, Munich, Essen, Vienna and Zurich about 40 full flight simulators reproducing more than 20 aircraft types are at your disposal for cockpit crew training.

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