



Full-Flight Simulator

AIRBUS A320-200 (FT55)

Location Lufthansa Aviation Training, Essen (Simulator-ID: FT55, cooperation partner TFC Käufer)

SIMULATOR	
Simulator Manufacturer	CAE, Canada
In Service Date	August 2008
Aircraft Model	A320-214, A320-232
Registration (Master Aircraft)	n/a (Airbus Standard 1.5.0)
Product No.	n/a
Simulator Host Computer	1 Operation Server, Single Duo-core Intel Woodcrest
Motion System	electro-mechanical motion system (EMM), 42 inch
Control Loading	digital
AIRCRAFT SYSTEM	
Engine Version	
Primary Fit	General Electric CFM56-5B4, 27000 lbs T/O thrust
Secondary Fit	IAE V2527-A5, 27000 lbs T/O thrust
Aerodynamic Data Revision	Aerospatiale D00218202 Aerodynamic Specification for Flight Training Simulator, Aerospatiale D00620000 Inertia & Moments for Flight Simulator Standard 1-5-0 CFM Engines, Aerospatiale D00620100 Inertia Moments for Simulator Standard 1-5-0 IAE Engines
Auto Flight System	
FMGS	S5C12 Topflight Thales Avionics (CFM) (Software simulation), S5I11 Topflight Thales Avionics (IAE) (Software simulation)
FCU	EM2 Std.2, Thales Avionics Sa

FAC	CR121, Thales Avionics Sa (software simulation)
MCDU	Thales Avionics
Electronic Flight Control System	
ELAC	L91, Thales Avionics Sa (sEFCS)
SEC	L112, Thales Avionics Sa (sEFCS)
FCDC	L56, LITEF GmbH (sEFCS)
Electronic Instrument System	
DMC	EIS2 / S8, Thales Avionics
FWC	H2-F5, Airbus France (CAE 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 (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	2 touch-sensitive, high resolution color LCDs.
Printer/Plotter	Monochrome Laser Printer
Number of Malfunctions	221
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)
Unusual Attitude Recovery Training	available
Predictive Windshear Scenarios	various FAA windshear profiles availables
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 of entered flight plans and manual load of predefined flight plans on request
Debrief Station/Video/Recording	n/a
Display Options	metric and/or imperial

OPTIONS	
	Provision of Customer Options on request
Electronic Flight Bag	Lufthansa Class II EFB (Standalone Version : no A/C Position available)
EGPWC	NO RAAS available
QUALIFICATIONS	
German LBA	JAA Level D, annually, according to JAR-STD 1A
EASA-ID	DE-1A-069