



## Full-Flight Simulator

# AIRBUS A320-200 (FT51)

Location Lufthansa Aviation Training, Essen (Simulator-ID: FT51, cooperation partner TFC Käufer)

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)
SEC	L112, Thales Avionics Sa (sEFCS)

<b>FCDC</b>	L56, LITEF GmbH (sEFCS)
<b>Electronic Instrument System</b>	
<b>DMC</b>	EIS2 / S8-2, Thales Avionics Sa (retarget software simulation incl. BUSS)
<b>FWC</b>	H2-F5, Airbus France (software simulation)
<b>TCAS II</b>	7.1, Honeywell (software simulation)
<b>Standby Instrument System</b>	Thales Avionics Sa (simulated instrument)
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<b>VISUAL</b>	
<b>Visual System Manufacturer</b>	CAE, Canada
<b>Type of Image Generator</b>	Tropos 6400 (3x 1920x1080 pixel)
<b>Type of Display</b>	CAE Wide Mirror 180x40 deg FOV, "eyevis" LED Projectors ESP-LHD 1000 single chip DLP
<b>Illumination Levels</b>	Day/Dusk/Dawn/Night
<b>Number of Airport Scenes</b>	36
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<b>INSTRUCTOR STATION</b>	
<b>Display</b>	2x19" LCD touch screens mounted on IOS table
<b>Printer/Plotter</b>	Monochrome Laser Printer
<b>Number of Malfunctions</b>	150 Airbus standard
<b>Automated Training Lessons</b>	available on request for Base Check, Conversion, LOFT, Refresher
<b>Landing Training</b>	Individual definition of a generic airfield (RWY Characteristics: Length, Width, parallel RWY; RWY Lights: VLA, Appr. Lights)
<b>Multiple Weather Simulation</b>	weather simulation on one airport plus weather simulation on 5 individual airports
<b>Unusual Attitude Recovery Training</b>	available
<b>Predictive Windshear Scenarios</b>	various FAA windshear profiles available
<b>Non-Predictive Windshear Scenarios</b>	various windshear profiles for T/O and Landing available
<b>TCAS</b>	various scenarios with individual definition of intruder trajectory available
<b>ATIS</b>	available
<b>FMS Flight Plan Copy / Load</b>	copy/recall of entered flight plans from IOS of predefined flight plans entered via FMGEC
<b>Customer Options</b>	various customer options via IOS available

<b>OPTIONS</b>	
<b>Smoke</b>	yes
<b>QUALIFICATIONS</b>	
<b>German LBA</b>	JAA Level D, annually, according to JAR-STD 1A Amendmendt 3
<b>EASA-ID</b>	DE-1A-066