



Full-Flight Simulator

BOEING 737-800 (FT35)

Location Lufthansa Aviation Training, Berlin-Schoenefeld (Simulator-ID: FT35)

SIMULATOR	
Simulator Manufacturer	Thales, England
In Service Date	November 1997
Aircraft Model	737-800
Registration (Master Aircraft)	YC003
Product No.	Motorola 604 Power PC RISC Multi Processor System
Simulator Host Computer	C90, 6 DOF, digital, hydrostatic
Motion System	hydraulic, Series 500, 6 DOF, digital
Control Loading	digital, hydrostatic

AIRCRAFT SYSTEM	
Engine Version	General Electric CFM 56-7B (27K)
Auto Flight System	Honeywell SP300 (-7 FCC, -710 software)
Flight Management System	Dual FMC, General Electrics, Load 10.8A, simulated (re-targeted)
TCAS II	Collins (software solution)
ACARS	Allied Signal Avionics (software AMU)
EGPWS incl. RAAS	Honeywell (hardware)
ADIRU	Honeywell (software)
Common Display System (CDS)	Honeywell, Blockpoint 06, simulated (re-targeted)
VISUAL	
Visual System Manufacturer	Evans & Sutherland
Type of Image Generator	EP-1000CT
Type of Display	TTS Wide Mirror 150x40 deg FOV, ESCP 2000 Projectors
Illumination Levels	Day/Dusk/Night/Dawn
Number of Airport Scenes	more than 90
INSTRUCTOR STATION	
Display	2 x 19" color graphic LCDs with touch sensitive overlays
Computer	Silicon Graphics Indy Workstation
Printer/Plotter	Laser printer outside simulator
Number of Malfunctions	about 350, all abnormal checklists are covered
Automated Training Lessons	available on request, Profile mode
Predictive Windshear Scenarios	various profiles available (Microburst)
Non-Predictive Windshear Scenarios	various windshear profiles for T/O and Landing available (including FAA)
TCAS	scenarios for all types of Traffic and Resolution Advisories
ATIS	Digital Voice System
Video	DVD Ram
Smoke Simulation	yes

OPTIONS	
Common Display System	original OPC-disk with all available options can be loaded (i.e. X-bar / V-bar) Vertical Situation Display (VSD) available
FMC	all FMC pins and OPC options available (i.e. various T/O thrust ratings) individual FMC-Nav-Databases can be loaded for each customer
Autoflight	all FCC pins available
EGPWC	all strapping available (i.e. callouts)
Briefing Tool	FMC route can be prepared during briefing and loaded into simulator
QUALIFICATIONS	
German LBA	JAA Level D, annually, according to JAR-STD 1A, Zero Flight Time
EASA-ID	DE-1A-030