

Boeing 737-300/-400/-500

Full-Flight Simulator

Product Sheet FT19

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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

Lufthansa Flight Training Center, Frankfurt (Simulator-ID: FT19)

SIMULATOR

Simulator Manufacturer	CAE., Canada
In Service Date	April 1990
Aircraft Model	737-300, 737-400, 737-500
Registration (Master Aircraft)	D-ABEB, D-ABKA, D-ABIA
Product No.	PQ074, PV231, PT331
Simulator Host Computer	IBM RISC System/6000 model F40
Motion System	hydraulic, Series 500, 6 DOF, digital
Control Loading	hydraulic, digital

AIRCRAFT SYSTEM

Engine Version	CFM56-3B1, B2 and C1
Auto Flight System	Sperry SP300 AFCS and A/T
Flight Management System	Smiths Industries U10.7
TCAS II	Collins (software solution)
ACARS	Sundstrand (a/c AMU)
EGPWS incl. RAAS	Honeywell (Orig. a/c box)
GPS	Mercury (software solution)
IRS	Dual Litton LTN 72
Lower Cargo Smoke Detection System	Gables Engineering, Inc. (Orig. a/c box)

VISUAL

Visual System Manufacturer	Rockwell Collins, England
Type of Image Generator	EP-1000CT
Type of Display	Suprawide 150x40 deg FOV mirror, LCoS Projectors JVC VS2000
Illumination Levels	Day/Dusk/Night
Number of Airport Scenes	more than 90

INSTRUCTOR STATION

Display	2 x 20" color touch sensitive LCDs
Printer/Plotter	Monochrome Laser Printer (HP LaserJet 4050N)
Number of Malfunctions	350
Automated Training Lessons	available for Base Check, Transition, LOFT, Refresher
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
ACARS Scenarios	various datalink applications available customized datalink applications available on request
FMS Flight Plan Copy / Load	automatic reload of entered flight plan after reposition to the same T/O position copy or manual load of predefined flight plans on request
Debrief Station/Video/Recording	Video System: Sony Color
Display Options	metric and/or imperial
Computer	IOS X-Station-NCD Explora 700

OPTIONS

Aircraft Options	Provision of Customer Option available on request Boeing/North American Standard for Standby Power and Overhead Panel Switching available on request 737-300, 737-400 and 737-500 performance selectable via IOS
EFIS Options	F/D Integrated Cue (V-Bar) Speed Tape Digital R/A & Rising Runway

QUALIFICATIONS

German LBA	JAA Level DG, annually, according to JAR-STD 1A
JAA STD ID Code	DE-1A-009, DE-1A-010, DE-1A-011

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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