

IRKUT MC-21 PROGRAM AND HONEYWELL

Honeywell System Suite for IRKUT MC-21 Program

AUXILIARY POWER SYSTEM



HGT750[MC]

APU ENGINE

This APU adheres to the latest certification standards while delivering world-class fuel efficiency. It features the lowest emission standards in the industry, utilizing our innovative combustor system which provides 25% lower emissions.

25%

LOWER EMISSIONS



SGCU ECU SPU

AUXILIARY POWER SYSTEM COMPONENTS

- Starter Generator
- Electronic Control Unit (ECU)
- Starter Generator Control Unit (SGCU) and Start Power Unit (SPU).



SATCOM

COCKPIT CONNECTED TO ATC

Satcom keeps the cockpit connected to Air Traffic Control, providing both voice and CPDLC communications including HD-710 with AMT-3800 antenna.

AVIONICS



NAVIGATION RECEIVER

The latest in radio navigation capability integrates instrument landing systems (ILS), global positioning systems (GPS), GPS landing system (GLS) and VHF omnidirectional radio range (VOR) functionality into a single receiver.



RDR4000

WEATHER RADAR

IntuVue RDR4000 3D weather radar provides advanced weather detection and hazard warning for hail, lightning, windshear and turbulence.

RADAR ALTIMETER ALA-52B

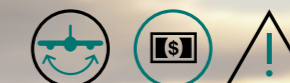
ATC TRANSPONDER TRA-100B

LASERREF VI INERTIAL REFERENCE UNIT (IRU)

DME TRANSCEIVER DMA-37B

ADF DFA-75B

VOR/ ILS LOCALIZER/ GLIDERSLOPE/MARKER/ GPS ANTENNAS/ GASKETS



SMART

SMARTRUNWAY® & SMARTLANDING®

SmartRunway® & SmartLanding® are cost effective software upgrades to the Honeywell EGPWS that increase flight crew situational awareness during taxi, take-off and landing decreasing the risk of runway incursions and excursions.

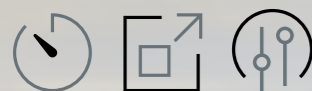


TCAS

REDUCE MID-AIR COLLISIONS

Traffic Alert & Collision Avoidance Systems (TCAS) is designed to reduce mid-air collisions between aircraft by monitoring the airspace around an aircraft for other aircraft equipped with compliant transponders.

CPCS AND AMS



CPCS

CABIN PRESSURE CONTROL SYSTEM (CPCS)

Dual controller and outflow valve.



AMS

AIR MANAGEMENT SYSTEM (AMS) COMPONENTS

- Engine bleed valves
- Pack valves
- Pack components (air cycle machine, heat exchanger cores, ozone converter).

IRKUT MC-21

MAXIMUM TWO CLASS CONFIGURATION RANGE
6,000 KM (3,200 NMI)



CABIN

BIGGEST FUSELAGE IN SINGLE AISLE AIRCRAFT

- Larger personal space
- More carry-on luggage
- More light
- Bigger aisle.

163

PASSENGERS

163 passengers in standard two class configuration.



BUSINESS CLASS

16 seats with pitch 36"



ECONOMY CLASS

147 seats with pitch 32"