



Display and Control Unit with Large Screen for Smart210 Advanced Integrated Avionics System

AERO Hall 5, Stand A5-312



The integrated display control system is an important part of the Smart210 integrated avionics system introduced by Hermes-sys. It is equipped with two central processing units, a full touch large-screen display system, and integrated PFD, MFD, FMS, TCP/ACP, and SVS , 3D-TAWS and other major functional modules. With the permission of the government, the display control functions of aircraft equipment such as weapon systems and autopilot systems can be expanded. The layout of the cockpit can be optimized to realize the integration and simplification of the human-machine interface and the improvement of human-machine interaction efficiency.

Features:

- Using ultra-large full-touch screen, reducing the number of instruments and control panels, with high integrated capability of display and control, improving safety and reliability of flight;
- Dual-redundancy touch screen with size 20"*8"and resolution 2560*1024, with front panel lighting and night vision compatibility, matching the requirement of operations of new generation aircraft;
- Compatible with Jeppesen navigation database, updated every 28 days;
- Considering different operation habit of pilots, supporting PFD and simulate traditional flight instrument display mode ;
- Supporting navigation functions with HSI and VSD , providing intelligent route planning and flight performance calculation;
- Equipped with offline satellite maps, with VFR, IFR-HIGH, IFR-LOW routing charts and approach-departure procedure chart, make intelligent route planning more efficiently with drag-and-drop operations;
- Built-in “Normal, Abnormal, Emergency” electronic checklist to simplify operation process of pilot and improve safety of flight;
- Military applications such as Weapon Management, Battlefield Field Situation Awareness, Sensor Fusion, Fire-control Radar and etc. will be provided with the permission of government.

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- Adopting a full-touch ultra-large screen, it reduces the number of aircraft instruments and control panels, and has a highly integrated display and control capability, improving flight safety and reliability;
- 20"*8" dual-redundancy touch screen, resolution 2560*1024, with front panel lighting and night vision compatibility, seamlessly matching the needs of new generation of aircraft operations;
- Compatible with Jeppesen navigation database, with requirements to be updated every 28 days;
- Considering different operation habit of pilots, supporting PFD and simulate traditional flight instrument display mode Support HSI and VSD navigation functions; provide intelligent route planning functions and flight performance calculation services;
- Equipped with offline satellite maps, VFR, IFR-HIGH, IFR-LOW charts, and departure maps, with drag-and-drop intelligent route planning functions, more efficient route planning;
- Built-in "Normal, Abnormal, Emergency" electronic checklist to simplify the pilot's operation process and improve flight safety;
- With the permission of the government, military functions such as weapon management, battlefield situation, sensor fusion, and radar fire control can be provided.