

Integrated Instrument Display System



Features

- Readily integrates with Rogerson Kratos EFIS
- Highest quality glass - 60:1 viewing angle
- Multiple display size choices
- Multiple display modes
- Maintenance Reversionary mode
- Engine, fuel quantity, electric and hydraulic system indications
- Integrated caution/warning and advisory indications
- FADEC or EEC interface capability
- Trend monitoring
- Full-time BITE
- Weight and balance synoptic indications
- Certified and ready for installation
- Worldwide customer support

Options

- Self-contained data and graphics processors
- Switchable NVG mode
- Emergency checklist
- Exceedance monitoring & recording
- Round dial or sliding bar display with digital readouts

Description



The NEOAV 2000 IIDS series is designed to grow with the increasing needs of aircraft in the digital age. The system combines all of the information of conventional instruments but uses advances in hardware and software development to integrate, manage and

analyze aircraft sensors to provide new flexibility and performance. Features include an integrated caution/advisory system, multiple fail operational reversionary modes, and built-in test equipment (BITE) for crew confidence testing and continuous in-flight monitoring. A standard I/O bus is available for easy up and downloading to aircraft maintenance computers.

Advantages of the NEOAV IIDS series include increased reliability, modularity of design, and lower weight and power requirements. This increased reliability combined with Rogerson Kratos' worldwide customer support capabilities make the NEOAV systems a smart choice for operators seeking value and performance.

Value-focused engineering, coupled with the flexibility to meet customer requirements, has made the NEOAV series of products, including EFIS, Integrated Instrument Display System (IIDS), and Integrated Avionics System (IAS), the choice for leading manufacturers and aircraft operators.



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LEADING PARTICULARS

- Weight 9-16 lbs.
- Power Primary 28VDC 50w max,
 Lighting 5V 2W max
- Symbol Generator Remote or Self-contained
- Display Color active matrix LCD
- Aircraft Interface Analog/Digital
- Maintenance Full-time BITE

RELIABILITY

- 5,000+ hours MTBF

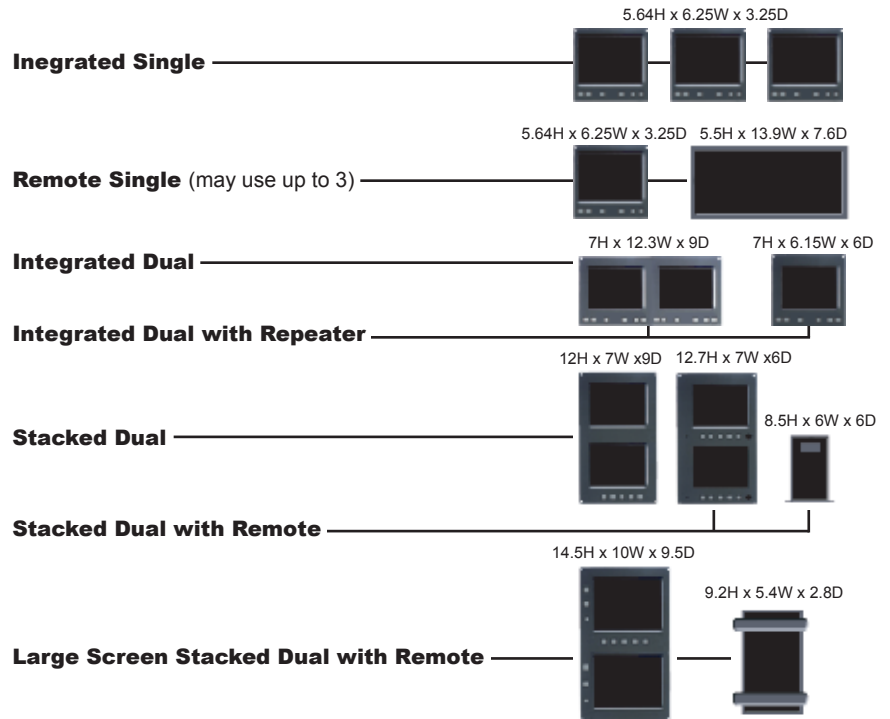
CERTIFICATION STANDARDS

- DO-160C & D Level environmental qualification test
- DO-178B Level A-E software application
- Boeing D1-9000 quality compliant

HARDWARE

- Signal Processing
 - Embedded microprocessors, microcontrollers, DSPs - Intel, Motorola
 - Video - Graphics Engines, moving data displays
 - Custom ASICs, FPGAs, PLDs, Hybrids
 - Memory Technologies - SDRAM, DRAM, FLASH, ROM, memory management
- I/O Interfaces
 - Digital serial/parallel busses - ARINC 429, RS232, RS422, RS453, RS485, ethernet, M-Net, optical
 - Analog - synchros, AC/DC, Discretes

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