

AVIDYNE® IFD440

FMS|GPS|NAV|COM



Avidyne's IFD440 FMS|GPS|NAV|COM sets a new standard for integration in aviation navigation systems. Designed for the rigorous demands of military and special-mission aircraft, the IFD440 flight management system features an intuitive user interface with hybrid touchscreen with flight glove compatibility, plus dedicated knobs and buttons. Its versatile moving map display features 3D synthetic vision of the flightplan plus nearby terrain, obstacles, navaids, traffic and XM or ADS-B weather. The IFD440's cross-sync interface allows for easy tandem operation and synchronization of flight plan and direct-to navigation, plus independent screen selection for even more versatility. Every detail and function of the IFD440 is engineered with purpose: to simplify operation and reduce pilot workload.



- Hybrid touchscreen with traditional knobs and buttons
- Moving map with extensive airspace, terrain, navaid, and airport display capability
- Display of XM or ADS-B weather with full graphics as an overlay on the map
- Traffic display from TCAS, TAS, or ADS-B
- WiFi Integration with ForeFlight® and a host of other EFBs
- Class B NVIS compatibility available in compliance with RTCA/DO-275, MIL-L-85762A, and MIL-STD-3009 as required

Avidyne IFD440 - The Right Fit

Specifications

Display

- 4.8" Diagonal w/ touchscreen
- Full VGA - 350 x 235 pixels
- 65,535 colors
- Ultrabright sunlight readable w/ LED backlighting

Dimensions

- Width: 6.30" (16.0cm)
- Height: 2.66" (6.75cm)
- Depth: 11.00" (27.5cm) behind panel including connector

Weight

- IFD410 - 6.60 lb (2.99 kg) including tray & connectors

Power Requirements

- 11 - 33VDC
- 4.4A/6.5A Xmit @ 14vdc
- 2.2A/4.0A Xmit @ 28vdc

Cooling

- No external forced air cooling required

GPS

- 16-Channel GPS/SBAS Receivers
- RTCA DO-178B and DO-254 Level B,
- RTCA DO-160E
- Meets DO-229D, Beta Class 3
- Accuracy:
 - Autonomous Position
 - 3 meters (CEP 50%)
 - 5 meters (95%)
 - SBAS Differential Position
 - 1 meter (CEP)
 - 3 meters (95%)
 - Velocity Accuracy 0.1 knots (95%)
- Dynamics:
 - Acceleration : 10g max
 - Speed : 1,000 knots
 - Altitude : 50,000 ft

Warranty

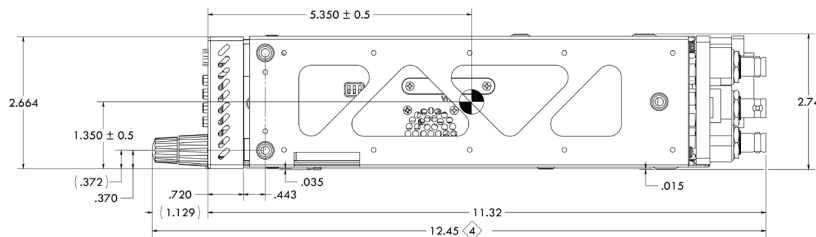
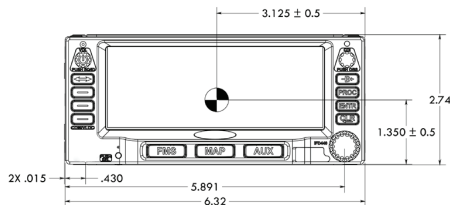
- 2 or 4 year warranty
- AeroPlan™ extended warranty available

I/O

See website for complete list of Interfaces. www.avidyne.com

Environmental

- DO 160E
- To 50,000 ft.
- -20C to +55C Operating
- +70C Short Term



* Features and options subject to change without notice.