

ESEN



RNE

RADIO NAVIGATION EQUIPMENT

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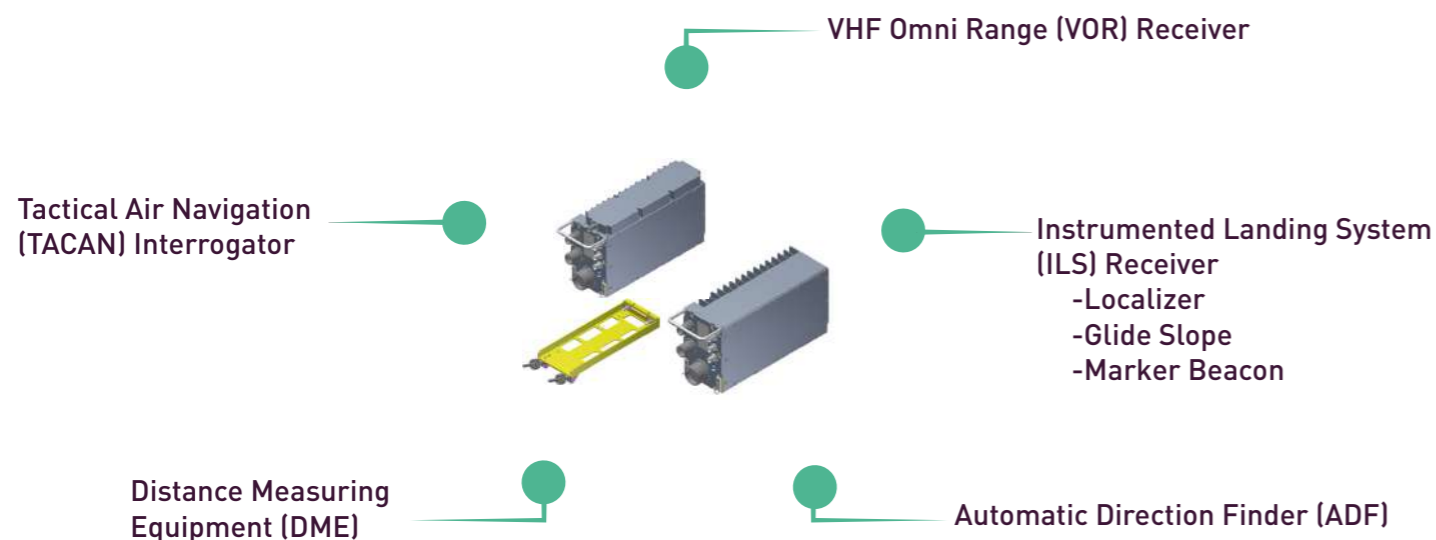
Radio Navigation Equipment

The Radio Navigation System is a high performance, precision navigation solution specifically developed for integration into civilian and military aircraft, ensuring accurate positioning and reliable guidance in all operational environments.



Multimode Airborne Navigation System

- All In One
 - VOR/ILS/MB Receiver
 - DME/TACAN Receiver/Transmitter
 - ADF Receiver
- Configurable
 - VOR/ILS, Multichannel DME/TACAN and ADF functions can be provided separately or combined
 - Same Mounting Tray can be used to install different RNE configurations.
- SWaP-C Optimized
 - Optimized to fit many platforms
- Navigate Better
 - DO-178C and DO-254 compliant



Applicable Standards and MOPS

Standards	VOR	MB	ILS LOC	ILS GS	ADF	DME
RTCA	DO-196	DO-143	DO-195	DO-192	DO-179	DO-189
EUROCAE	ED-22B	WG7	ED-46B	ED-47B	ED-51	ED-54
EASA	ETSO-2C40c	ETSO-2C35d	ETSO-2C36f	ETSO-2C34f	ETSO-2C41d	ETSO-2C66b
ARINC	ARINC 711-10	ARINC 711-10	ARINC 710-10	ARINC 710-10	ARINC 712-7	ARINC 709-8

Standards	TACAN
MIL-STD	MIL-STD-291C
STANAG	STANAG 5034

Multichannel DME/TACAN (provides bearing, distance and station identification for up to four ground stations)

- Interfaces
 - ARINC-429
 - MIL-STD-1553B
 - Discrete
 - Audio
 - Maintenance (RS-485)
- Environmental Qualification
 - DO-160G
 - MIL-STD-810G
 - Temperature and Altitude
 - Operational: -55°C / +70°C @ 55,000 ft.
 - Storage: -55°C / +85°C
- SWaP-C
 - Dimensions including Handle (HxWxD): 90 mm (E) x 150 mm (B) x 295 mm (D)
 - Weight (including Mounting Tray) < 4 kg
 - Supply Voltage (Primary and Secondary Inputs): 28 VDC
 - Power Consumption: 33 W



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