

AICON | DHS 300

DIGITAL INTERCOMMUNICATION SYSTEM

#Avionics



DIGITAL AUDIO PROCESSING
VOX AND HOT MIKE FEATURES
HIGH AUDIO QUALITY
EMERGENCY MODE



aselsan

AICON | DHS 300

DIGITAL INTERCOMMUNICATION SYSTEM

AICON DHS 300 manages airborne radios, receivers and units with voice alerts and also provides communication interface for pilot and copilot.

AICON DHS 300, which has digital audio processing capability, meets reliable and high quality audio communication needs for noisy military environments.

With its reliable and rugged design, AICON DHS 300 operates in severe environmental conditions on fixed-wing and rotary-wing platforms.

AICON DHS 300 can be configured for communication with multiple users.

Subassemblies

- AICON DHS 300 consists of 2 (two) identical Audio Control Panels.

General Specifications

- Radio Receiver/Transmitter Channels Control
- VOR, MB and TACAN Receivers Controls
- Navigation Receiver Channels Controls
- Controlled Direct Receiver Channels Support
- Uncontrolled Direct Receiver Channels Support
- Interphone Channel Management
- Voice Operated Transmit (VOX) Capability
- HOT MIKE Capability
- Sidetone Capability
- Voice Recorder Output
- DO-254 Certified Hardware
- DO-178B Certified Software
- Built In Test (BIT) Capabilities
- Initiated BIT
- Continuous BIT
- Power up BIT features
- Reporting Bit Results Through Rs-485 Serial Interface

Interfaces

- Analog Audio I/O Interfaces
- Serial Interface (RS-232/RS-485/RS-422)
- Discrete I/O Interfaces

Physical Specifications

- Dimensions : 67 mm (H) x 146 mm (W) x 169 mm (D)
- Weight : < 1.4 kg

Technical Specifications

- Power Input : 28 VDC (Nominal)
- Power Consumption : 20W (Maximum)
- Power Hold-Up for Short Time Power Interrupts

Environmental Conditions

- Operating Temperature and Altitude : -40°C / +70°C, 15.000 ft
- Storage Temperature : -55°C / +85°C

Qualifications

- MIL-STD-810F
- RTCA DO-160G

Specifications are subject to change without any notice. | All tolerances are within $\pm 10\%$.

