Overview

The Counter-Unmanned Aerial System (C-UAS) Expeditionary Kit was developed in response to a mission need to have a mobile and expeditionary C-UAS kit capability. This allows users to rapidly deploy and setup C-UAS detection to assess UAS threats within a mission Area of Responsibility (AOR) in less than an hour with no tools required. The full kit consists of an Operational Node, Hub Node, and Remote Nodes. The Operational and Hub Node provide the core system capability while the Remote Nodes are used to build out the system.

General Dynamics Mission Systems’ modular solution, in partnership with Dedrone Defense, leverages transit cases containing DedroneTracker Command and Control (C2) software platform, ruggedized sensor technology, and networking radios to provide the Detect, Track and ID kill chain functions between dispersed system nodes. Its modular design allows the system to be easily tailored to meet a variety of operational needs and mission profiles utilizing different detect modalities, alternate radios, modifying cable lengths and hardware components.

Key Features

- Complete mobile C-UAS networking solution in a modular package
- Ruggedized radio frequency sensors (DedroneSensor RF-300R) (7.2 lbs.)
  - MIL-STD-810G RF classification sensor with direction finding
  - Omni-directional, passive, network-attached radio sensor for detection, classification and direction finding of drones and their remote controls
  - LOS Range is up to 1 km and up to 1.5 km in ideal conditions
- Open systems DedroneTracker C2 software
  - Autonomous operation - no operator in the loop required
  - Combines multiple sensor inputs to provide a correlated C-UAS detection, identification, and tracking solution
  - Provides operator with a high probability of detection for tracking sUAS while reducing false alarms
  - Uses DedroneDNA, a cutting-edge classification engine which recognizes and classifies commercial, consumer and hobbyist drones
- Operates on standard 2590 batteries
- MPU5 Wave Relay Radio
- 10M telescopic mast with tripod base included
- PoE switch & server
- Operational and Hub Node fits in 6 cases (234 lbs.)
- Remote Node fits in 4 cases (183 lbs.)
- Requires no tools for installation
Counter-Unmanned Aerial System (C-UAS) Expeditionary Kit

Hub Node

Winch for 10M Telescopic Mast

BA-2590 Batteries

Operational Node in Case

Ruggedized RF300R Sensor

Hub Node in Case

MPU-5 Radio & POE Switch

GENERAL DYNAMICS
Mission Systems


©2021 General Dynamics. All rights reserved. General Dynamics reserves the right to make changes in its products and specifications at anytime and without notice. All trademarks indicated as such herein are trademarks of General Dynamics. All other product and service names are the property of their respective owners. © Reg. U.S. Pat. and Tm. Off.