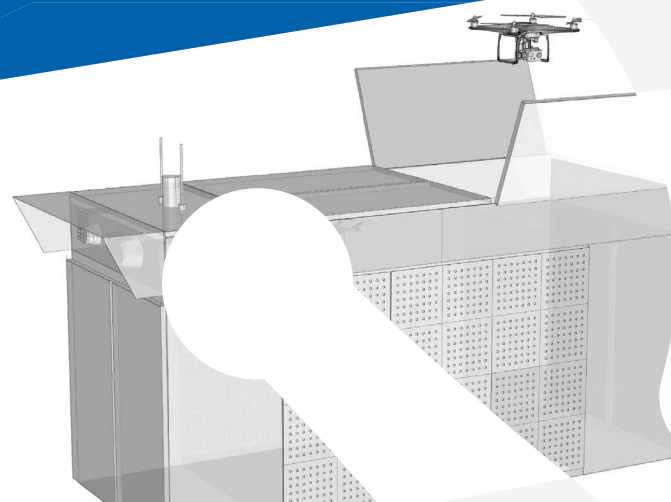




DI-210 Dual Bay Drone Hanger for DFR

For Remote Drone Shelter, Auto-Recharge, Launch

The DI-250 is mission critical infrastructure for Drone as First Responder (DFR) Operations. Drones are becoming an essential tool for Police, Fire, and Emergency Services. Haphazard launching of drones from patrol car trunks or pickup trucks does not meet the essential readiness requirements of agencies. The DI-250 meets the standards for reliable operation, with the safety assurances that form the basis for Beyond-Visual-Line-of-Sight (BVLOS) waivers.

The DI-250 is designed for use with most drone systems used in DFR applications, and is compatible with Drone Sense, Motorola Cape, and other remote pilot systems.



The DI-210 has 4 essential functions: **Shelter, Auto-Recharge, Launch Safety, Data Comm**

Shelter: Weatherproof and secure enclosure for drone and support equipment. Heating and cooling systems maintain 72 degree temperatures. Critical power systems with batteries for backup or island power support. Designed with aesthetics and security for location flexibility and safe operation around personnel and civilians.

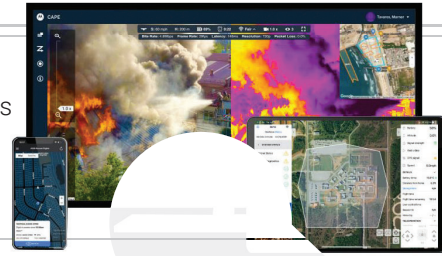
Auto-Recharge: The DI-210 drone hanger bay automatically recharges the drone battery and monitors battery charge levels and readiness. The dual hanger unit allows for continuous drone operation with one drone deployed while its twin is recharging.

Launch Safety: Drone launch safety is essential to effective drone use in communities. Here are some of the built-in safety features:

- Hanger door operation is 7 feet above grade to be clear of operating personnel or nearby pedestrians.
- Security cameras to view the surrounding prior to launch or land operation.
- Warning Lights, Horn, and Voice Command Annunciator for launch-land warnings.
- Intercom for Remote Pilot in Command (RPIC) interaction with local personnel or public
- Weather Station for wind direction and speed, temperature, and precipitation conditions.

Data-Comm: The Di-250 has advanced data communication capabilities using cellular, radio, or satellite to provide a secure and reliable data path from the local drone controller to the remote pilot in command.

General	Shelter, Auto-Recharge, Launch Safety, Data Comm for Drones for Public Safety and Emergency Response Drones Power Distribution and Control Power Battery Backup – 2 or ?? Hours Generators Backup or auto-recharge
Enclosure	Aluminum weatherproof insulated enclosure Drone bay automatic doors
Launch Doors	Drone bay automatic doors with linear actuation auto open / close for launch and land
Drone Battery Auto Recharge	Auto-Recharge base in Drone Hanger Variable Voltage for Drone Battery Compatibility
Pre-Flight Inspection Camera	Pre-Flight Camera with AI assisted Visual Assessment
Drone Tracking Camera	Drone Tracking Camera for BVLOS Operation
Signal Receiver for Aircraft Transponder	Receiver for Drone / Aircraft Transponder Receipt and Data Analysis for Operating Area Awareness
Weather Station	Weather Station for wind direction and speed, temperature, and precipitation conditions
Exterior Safety Devices	Exterior Lighting, Warning Lights, Audible Warning, Voice Command
Data Communications	Enhanced Cellular / Wifi/ Satellite Connectivity
Drone Local Control	Drone Local Control Mounting and Connectivity for RPIC Operation
Environmental	-20F to + 140F Rated Exterior Operating Environment Heaters, Ventilation, Coolers and Controls to maintain 70F Interior
Dimensions and Weight	DI-250 Single Bay Dimensions: 48" W x 60" L x 84" H Operating Weight: 1500 LB DI-250 Dual Bay Dimensions: 48"W x 96"L x 84" H Operating Weight: 1800 LB
Power	Power: 120-230 Single Phase Power Distribution and Control Power Supply Battery Backup: 1-48 Hours Diesel Generator Backup or Off-Grid Operation Optional Solar Power System



Complete Drone System Integration:

Earthsafe builds the DI-250 to the exacting specifications required to meet the customers application needs. Systems are installed, tested, and commissioned for mission critical reliability.

Drones are provided from leading manufacturers to meet customer requirements or pre-existing customer drone fleets. Drones are customized with FAA compliant transponders, anti-collision warning lights, auto-recharge hardware, and user defined cameras and sensors.

Remote Operation: Earthsafe is a specialist in remote control / command software and hardware for drones for DFR applications. Our expertise includes Dronesense, DJI Flighthub, and Motorola CAPE with complete training and support for agency personnel.

Technical Services and Consulting: Earthsafe designs drone programs for DFR within the framework of community education, support, and acceptance. We work with clients to achieve BVLOS operations including FAA waivers to maximize the benefits of drone programs.