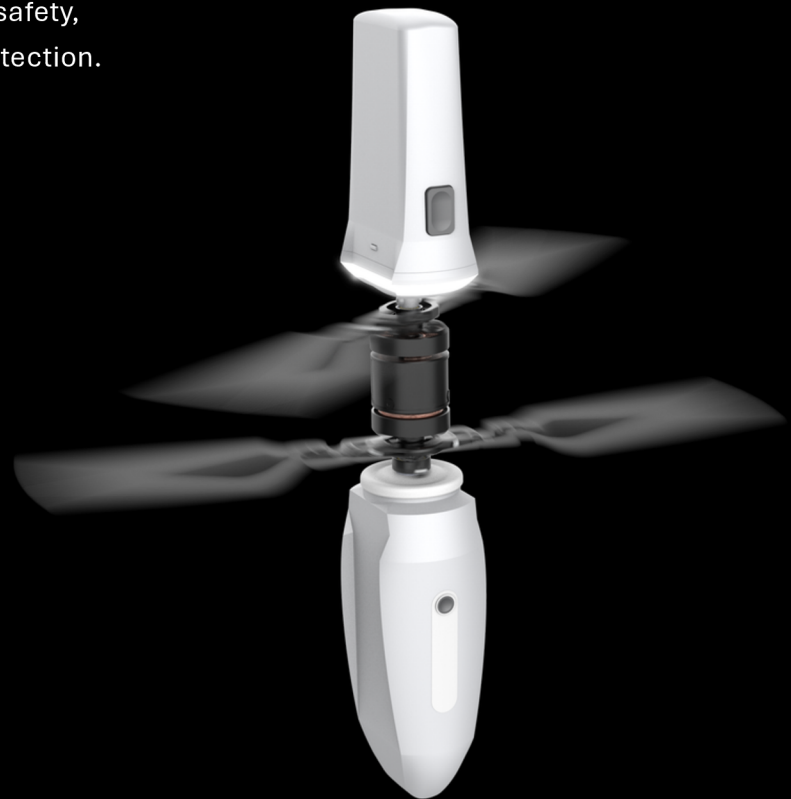


# HELIUS

SMALL UAS.  
BIG CAPABILITIES.

For operators who need a small UAV with big capabilities, 249g HELIUS is a reliable, high-performance Nano UAV that puts advanced situational awareness in the palm of your hand.

Engineered to thrive where others fail, HELIUS is a standout for operations that require safety, reliability, and a low probability of detection.



# HELIUS

249g UAS



# ROBINSON UNMANNED™

# SPECIFICATIONS

# HELIUS



## AIRFRAME

AIRFRAME DESIGN	Coaxial Nano Drone
MATERIALS	Polycarbonates, Composites, Aluminum
DIMENSIONS	10.8 x 2.9 x 2 inches (275 x 75 x 53 mm)
ROTOR DIAMETER	11.8 inches (300 mm)
BATTERY	Field Swappable, Rechargeable

## PERFORMANCE

MAX SPEED	Up to 45 mph
ENDURANCE	~ 25 min
ACOUSTIC SIGNATURE	Best in Class
LAUNCH METHOD	Hand Deployable
TIME TO LAUNCH	<30 secs
AI-ENABLED	Object Recognition, Autonomous Navigation, Follow Modes, Geotagging, Counting
OPERATING TEMPERATURE	-20C to 60C
ENVIRONMENT	Designed for IP55

## SENSOR

CAMERA TYPE	Electro Optical Ultra Low Light
OBSTACLE AVOIDANCE	Multi-Camera Front Stereo System
RESOLUTION	12.3 MP
VIDEO	4K, 12 MP @60 fps, Full HD @240 fps
NIGHT BEACON	3-Mile Visibility

## COMMAND & CONTROL (C2)

DATA LINK	4G LTE Enabling Remote Viewing and BVLOS Operation
GCS	LTE-connected mobile device
SOFTWARE	TAK Compatible

## FEATURES & BENEFITS

### Quick & Easy Deployment

Launch in <30 seconds for enhanced real-time situational awareness

### AI Intelligence

Streamline workflow with object recognition and tracking features

### LTE Capable

Unlock BVLOS with simple and secure LTE controls

### Compliant LED Lights

Anti-collision strobing lights with 3-mile visibility supports night flying

### Obstacle Avoidance

Multi-camera front stereo system helps to navigate tight quarters and urban environments

### All-Weather Performance

Rugged airframe reliably operates rain, snow, sand, and winds up to 25 mph

### Stealthy Performance

Undetectable acoustic signature is best in class

### Electro Optical 4K Camera

Features an ultra low-light sensor for crystal clear imaging in any environment

### Tactical Speed

Fly up to 45 mph when your missions need it most

### Field Swappable Batteries

Rechargeable batteries are easy to swap and minimizes operational downtime

### Ultra-Compact

Sleek form and integrated blade storage easily fits in utility belts and tactical vests

