

Lumenier  
LIGHTHAWK SERIES

# DEFENDER 3 5



**COMPACT • POWERFUL • RUGGED**



# DEFENDER 35

## Dominate Confined Spaces with Precision and Power

Our high-performance confined space FPV is engineered for unparalleled control and maneuverability in the most restrictive environments. Its compact, tactical design features ensure lightning-fast agility and pinpoint accuracy for complex operations in tight, interior spaces. This drone delivers exceptional performance when the mission demands it.

### Key Features:

- **Built for Endurance:** Achieve up to 16 minutes of flight time with the ability to carry payloads up to 1.32 lbs (600 g). Ideal for critical operations such as urban kinetic delivery, surveillance, and reconnaissance.
- **Unyielding Resilience:** Powered by a 6S LiHV 4000mAh battery, it provides the stamina necessary for extended missions. The modular design enhances operational readiness with removable prop guards, quick-connect motor wiring, and a rugged avionics enclosure for effortless maintenance and rapid repair.
- **Operational Versatility:** Equipped with powerful Visible and IR LEDs, optional action camera mounts, Picatinny rails, and optional GPS navigation, this drone guarantees superior performance and mission flexibility.



# FEATURES

## 1. Picatinny Rail.

Enhanced mounting options for kinetics or accessories, ensuring you're always mission-ready.

## 2. High-Powered Visible & IR LEDs with Strobe Functions.

Maximize visibility and signaling capabilities/IFF in all conditions, day or night.

## 3. Accessible USB-C Port.

Streamlined data transfer and configuration for quick, in-the-field adjustments.

## 4. Ruggedized Avionics Bay.

Defends critical components with superior shielding against environmental threats and rough conditions.

## 5. Electronics Compartment Access Panels.

Rapid access for repairs and upgrades, ensuring minimal downtime during critical operations.

## 6. Modular Radio Receiver with Quick-Access Bind Button.

Seamless, rapid connectivity for flawless control in high-pressure situations.

## 7. Optional Action Camera Mount.

Capture high-definition, tactical footage for analysis or site exploitation, without compromising performance.

## 8. Optional GPS and/or Remote ID Mount.

Enhance navigational precision, giving an edge in operational execution.

## 9. Removable & Replaceable Prop Guards.

Quick maintenance, enhanced safety, and protection in hostile environments.

## 10. Patriots LED Compatibility.

Flexible, customizable mounting patterns to suit diverse mission requirements.

## 11. Power Switch.

Leave your battery connected with zero RF/VTX emission. Press the button and fly.

## 12. Optional FPV Digital Video Transmission.

Real-time, high-definition video feed to sharpen situational awareness and decision-making on the ground.



# SP E C I F I C A T I O N S

## Flight Time:

No Payload: **16 mins. (Hover)**  
1.3 lbs (600 g) Payload: **7.5 mins. (Hover)**

## Dimensions:

Width: 9.25 in (235mm)  
Length: 8.3 in (212mm)  
Height: 2.12 in (54mm)

## Battery:

Type: **6S LiHV** (Lithium High Voltage)  
Capacity: **4000mAh**

## Lumenier AVIARA AIO

- **FC:** F765 FC
- **ESC:** 70A ESC

**Motors:** 2305

**Propellers:** D90mm 3.5" 5-Blade

**RX:** NDAA Nano Radio Receiver

**VTX:** NDAA Video Transmitter

**Camera:** Low-Light FPV Camera

**GPS (opt.):** Lumenier SAM-M10Q

**RID (opt.):** Lumenier RID

**Vehicle Weight:** .98 lb (445 g)

**Recommended Max. Payload:** 1.32 lbs (600 g)

**Max. Takeoff Weight:** 3.3 lbs (1.5 kg)



# PICATINNY RAIL CONFIGURATIONS

**Underslung Picatinny Mounting**  
Battery top mounted



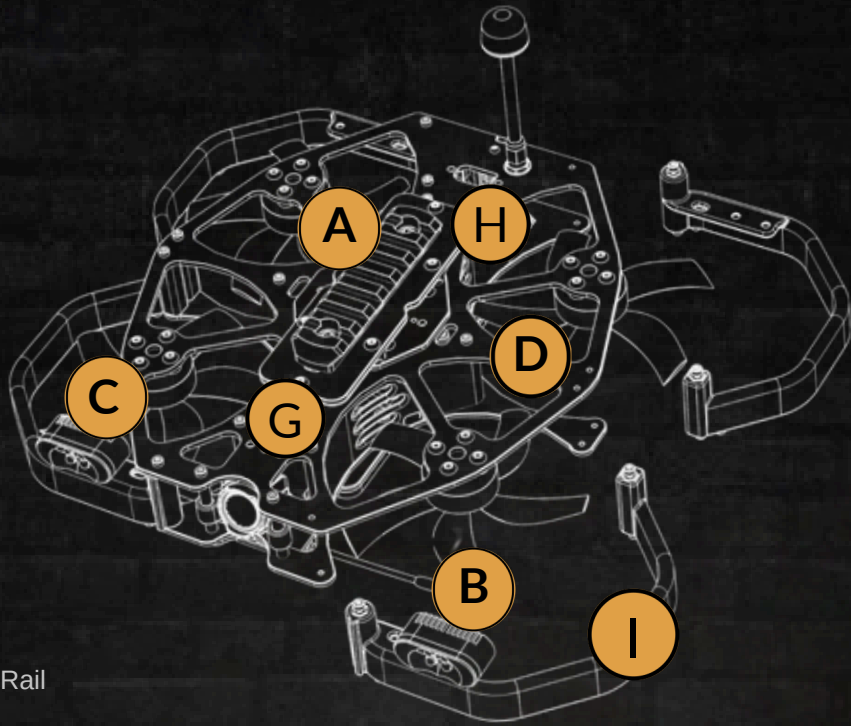
**Upper Picatinny Mounting**  
Battery belly mounted



## REAR POWER SWITCH

Quick Access USB-C Configuration Port





**A** Picatinny Rail

**B** IR LED

**C** Visible LED

**D** GPS/Remote ID (optional)

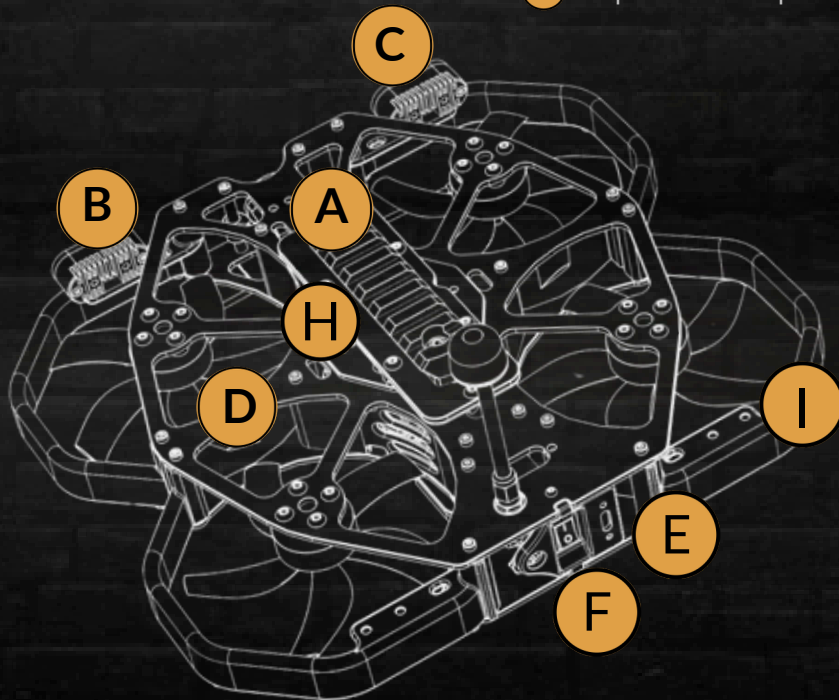
**E** USB-C Port

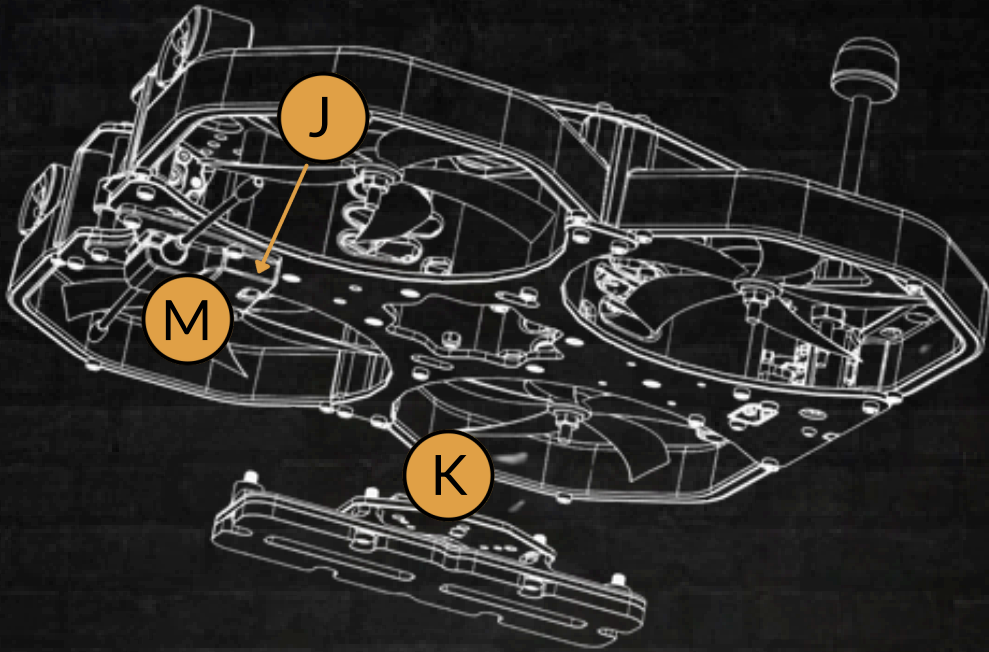
**F** Power Switch

**G** Action Camera mount (optional)

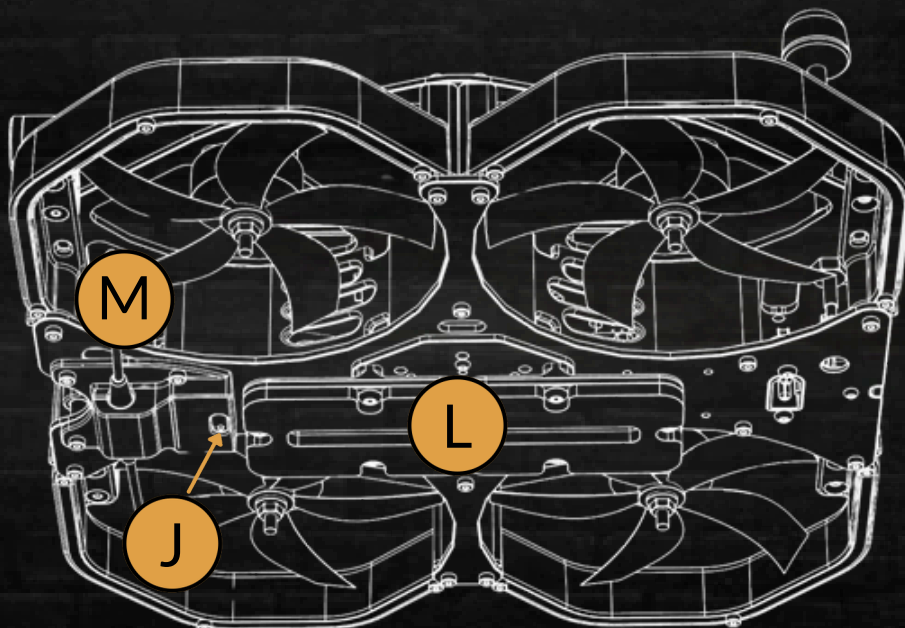
**H** Access Plate (top)

**I** Replaceable Prop Guards





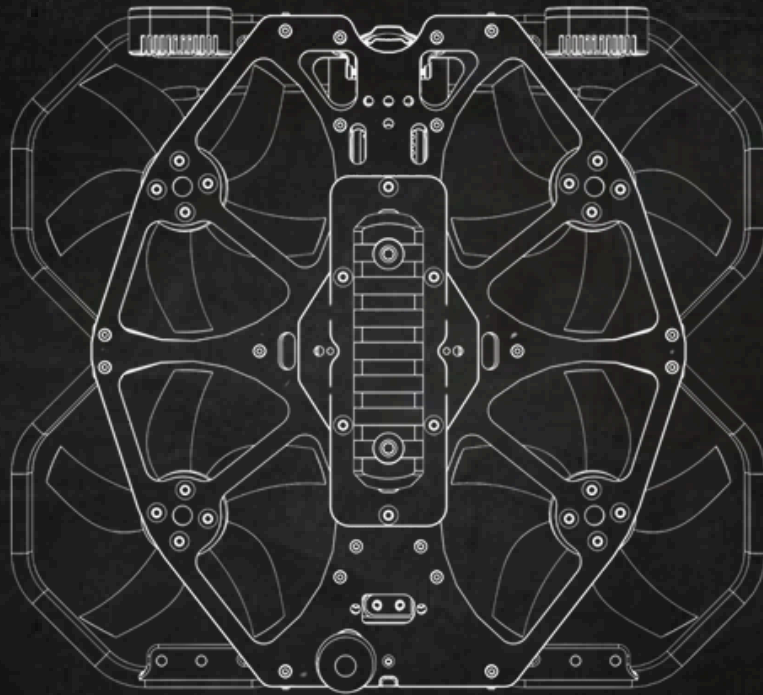
- J Easy-access Bind Button
- K Access Plate (bottom)
- L Battery plate
- M Modular Radio Receiver



# DIMENSIONS

9.25 in (235mm)

8.3 in  
(212mm)



2.12 in  
(54mm)





# DEFENDER 35

*Industry-leading tactical 3.5" FPV Drone built for indoor delivery of kinetic and non kinetic payloads, reconnaissance, and surveillance.*

- ✓ **Flight Time:**
  - No Payload: 16 mins.
  - 1.3 lbs (600 g) Payload: 7.5 mins.
- ✓ **Penetration Distance:** Up to 5 Miles (8 km)
- ✓ **Cruising Speed:** 25 mph (40 km/h)
- ✓ **Top Speed:** 50 mph (80 km/h)
- ✓ **Payload:** 0-1.32 lbs (0-600 g)



## CONTACT US

[info@falconuav.com.au](mailto:info@falconuav.com.au)



[Falconuav.com.au](http://Falconuav.com.au)

