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Gremsy is a global leader in the design and manufacturing of cutting-edge gimbal systems tailored for unmanned aerial vehicles (UAVs). Established with a commitment to revolutionizing industrial applications, Gremsy has consistently delivered high-quality, innovative solutions that empower professionals across various industries.

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GREMSY

G-HADRON

OPTIMIZED SOLUTIONS
FOR FLIR HADRON 640R
EMPOWERING DRONE INTEGRATORS



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G-Hadron Gimbal

G-Hadron is the ultimate compact and lightweight gimbal, perfectly designed to carry the high-performance dual thermal and visible camera module - Hadron 640R. With its optimized size and weight, the G-Hadron-and-Main-Board-solution ensures a plug-and-play setup for the Hadron 640R.

FACTS & FEATURES

- TAILORED FOR FLIR HADRON 640R
- ULTRA COMPACT & LIGHTWEIGHT DESIGN
- EQUIPPED WITH DAMPING SYSTEM
- SUPPORT MAVLINK DRONES

TYPICAL APPLICATIONS



Security & Defense



Inspection



Surveillance

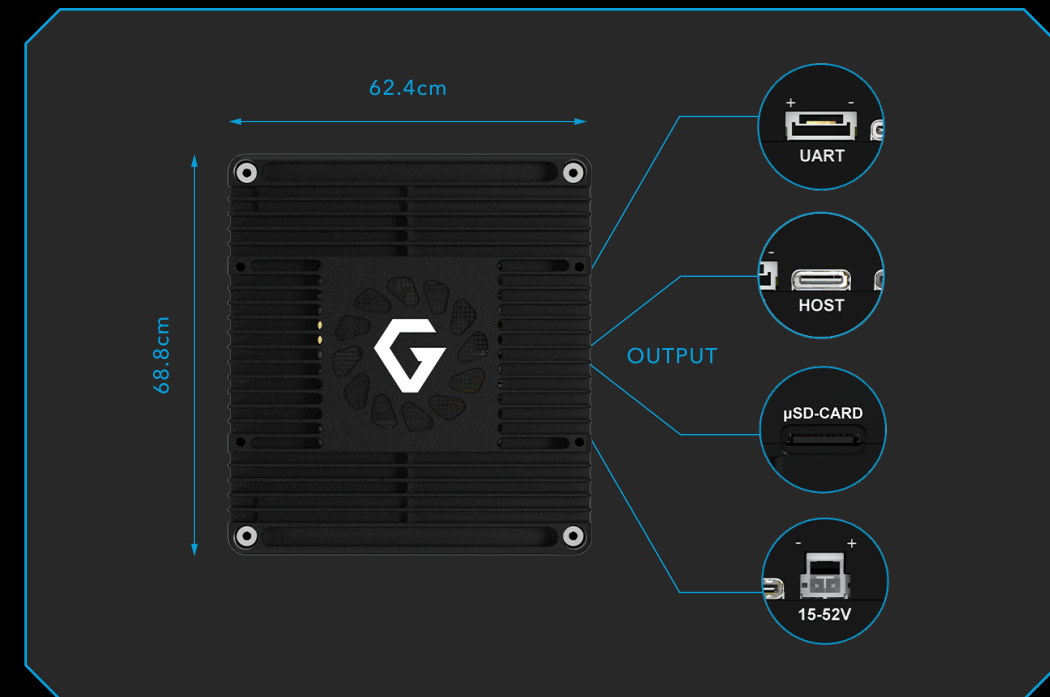


MAIN BOARD SOLUTION FOR DRONE INTEGRATORS

G-Hadron Main Board is a compact, energy-efficient choice facilitating the seamless transmission of signals from the Hadron 640R camera via HDMI or Ethernet. It allows for live-streaming, image retrieval, and precise gimbal control. Future updates will include tracking and AI detection features.

FACTS & FEATURES

- PIP STREAMING OVER HDMI/ETHERNET
- CONTROL CAMERA AND GIMBAL VIA MAVLINK
- SAVE IMAGES AND VIDEOS TO SD CARD
- AI TRACKING AND DETECTION



RB5 ADAPTER SOLUTION FOR QUALCOMM RB5-OWNERS

G-Hadron RB5 Adapter streamlines Hadron 640R imaging and control, cutting development time and expenses. It links G-Hadron and the RB5 Vision Kit, facilitating H640R camera signal transfer via USB (IR) and MIPI (EO).



QUICK SPECS

Gimbal Weight	164g/0.36 lbs
Gimbal Dimension (DxWxH)	90mm x63mmx98mm
Supported Cameras	Hadron 640R
Supported Drone Platforms	Pixhawk/ Cube Pilot/ Skynode
Connections	USB 2.0, UART, SBUS
Input Power	15 - 52 V
Damping Type	G-Hadron - Standard Damping/ Custom Damping
Gimbal Mount	Bottom mount
Gimbal Modes	Motor ON/OFF Lock mode Follow mode / Mapping mode
Controlled Rotation Range	Pan axis: ±165° Tilt axis: ±120° Roll axis: ±40°