

GOVERNMENT & DEFENSE



BLACK HORNET

AIRBORNE PERSONAL RECONNAISSANCE SYSTEM





A GAME CHANGER

The Black Hornet PRS Personal Reconnaissance System is the world's smallest operational ISR platform. Its compact, game-changing EO and IR technology bridges the gap between aerial and ground-based sensors. PRS arms modern warfighters with an easy to carry, truly pocket-sized solution they can deploy anywhere day or night for immediate covert situational awareness.





LIFE SAVING

Troops can hold a safe position while the stealthy Black Hornet PRS takes on the mission of quietly looking for threats around corners, overhead, or beyond the next ridge. With a more comprehensive lay of the land, PRS lets soldiers clear access with greater confidence, maneuver with speed, and gain the high ground.



STAY HIDDEN

Detect without being detected. Let the Black Hornet PRS be the soldier's eyes, transmitting live EO/IR video and HD still images back to the operator's safe location. Less than 33 grams and only 168 mm long, its extremely low visual and audible signatures allow covert operation and increased security, saving lives and minimizing collateral damage.





SEE EVERY THREAT

Take command and spring the element of surprise on the enemy. Fly Black Hornet PRS around walls, hover over berms and vegetation, slip into tight enclosures, or circle above rooftops. With a ground speed of up to 6 meters/sec (20 feet/sec), PRS can find and identify imminent danger fast wherever it's waiting.

SEE WHAT'S HIDDEN

The Black Hornet PRS can access dangerous hiding places in darkened buildings, caves, and even pipes in daylight, low light, and at night ensuring detection and identification of threats while providing greater security for soldiers monitoring from a safe distance away.



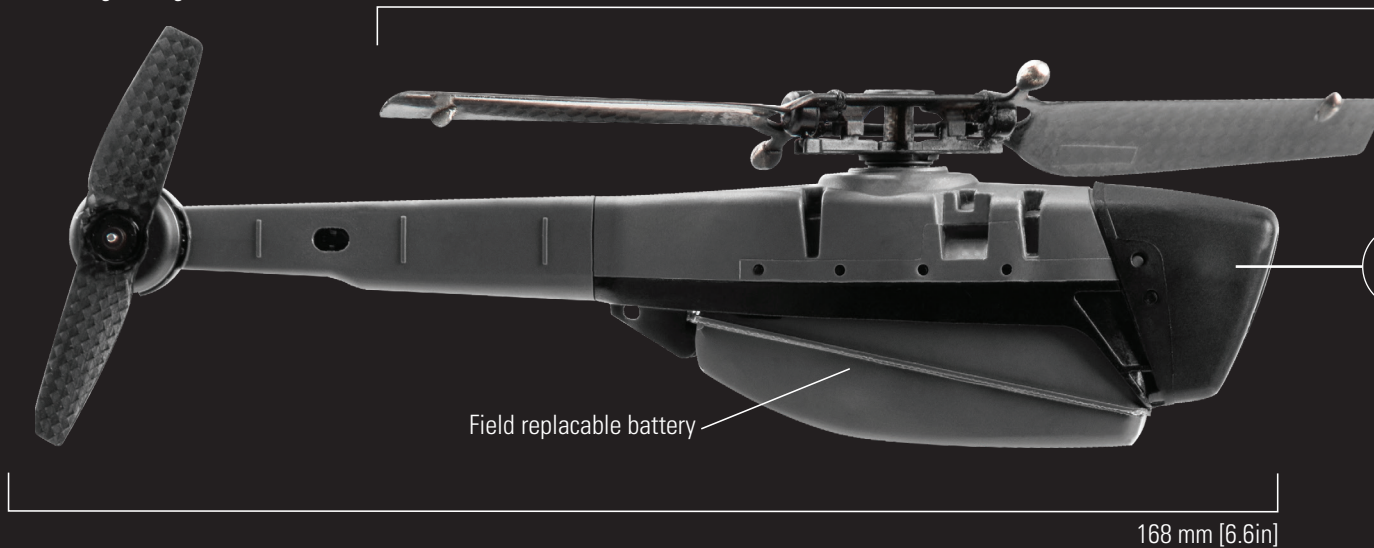


BEYOND LINE OF SIGHT

Squads need to expand their visual range, especially in complex and urban environments. With a 25-minute flight time at ranges of 2 km (1.24 miles) and speeds of 21.49 kph (13.35 mph), the Black Hornet PRS can rapidly and more safely engage targets beyond visual line-of-sight and conduct real-time weapon effectiveness assessment.

FLIR BLACK HORNET PRS

Total Weight: 33 grams [1.16oz]



123 mm [4.8in] PAYLOAD



640x480 EO Video
1600x1200 EO Snapshot

Replaceable



160x120 TI Video
160x120 TI Snapshot

Replaceable

Field replacable battery

168 mm [6.6in]

PERFORMANCE



Up to 25 minute flight time at ranges of 2 km (miles)
at speeds of 21.49 kph [13.42 mph]



Best in class covert visual signature



Best in class covert acoustic signature

ENVIRONMENTAL



-10°C to +43°C



Can withstand winds of 15 knots
and gusts of 20 knots



2.5 mm [.1 in]/hr (Light rain)

NAVIGATION



GPS and
GPS Denied
environments



Indoor navigation
capable

MISSION DATA



AES 256 encrypted Video and Snapshots Metadata



STANAG 4609 and Cursor on Target (COT) compliant



ATAK Compatible

FLIGHT MODES



Auto and Manual Hover & Stare



Route and user selectable waypoint actions



Automatic return



Lost link

DATA LINK



2km [1.24mi]
Radio Range

Frequency details
upon request

Encrypted, dynamic power,
frequency hopping, beyond
line-of-sight

WHAT'S IN THE KIT



CONTROLLER + BASE STATION

The PRS Controller consists of a base station, joystick control and display. The base station houses two Black Hornet PRS sensors and, in combination with the one-handed joystick control, enables all necessary functions to plan, execute, and analyze missions. All mission data is stored on the base station for review and sharing. Internal rechargeable batteries supply power to the external display and recharge the housed sensors. FLIR offers, as standard, a high-quality and lightweight daylight readable display for the PRS. Other networked or integrated solutions for displaying mission data in real-time are available.



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The World's **Sixth Sense**®