

BLACK HORNET

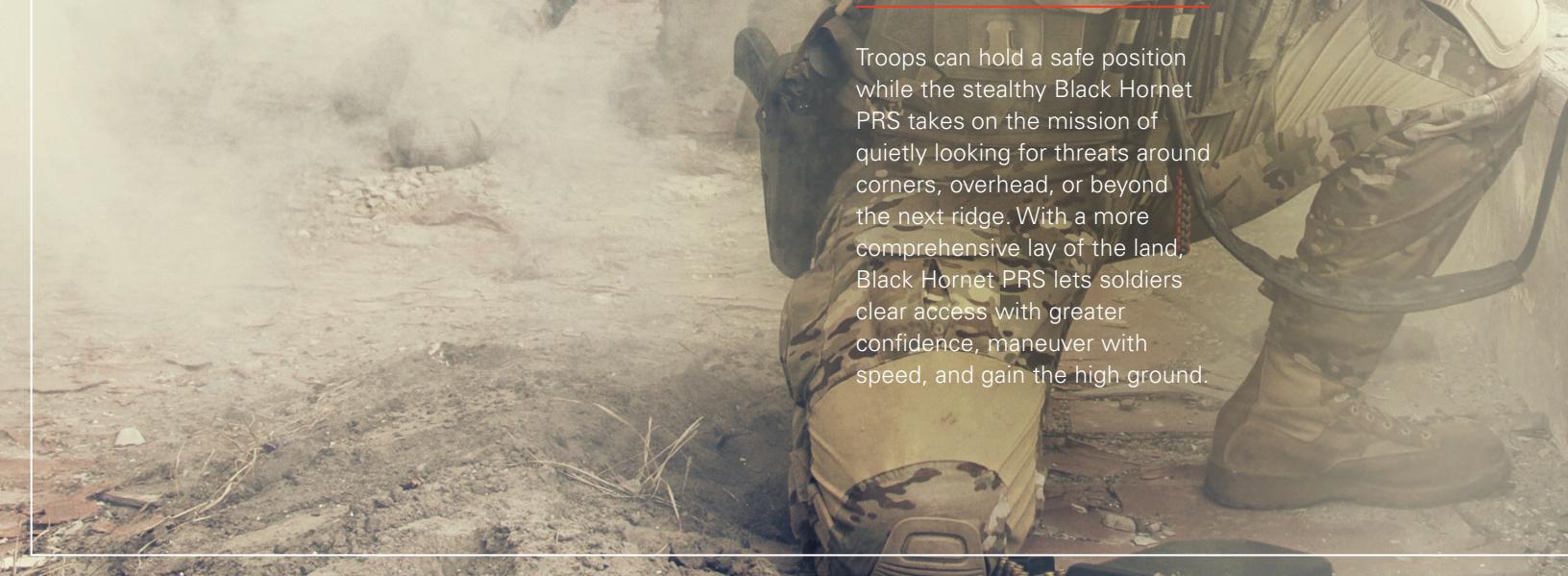
AIRBORNE PERSONAL RECONNAISSANCE SYSTEM





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. Black Hornet 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.



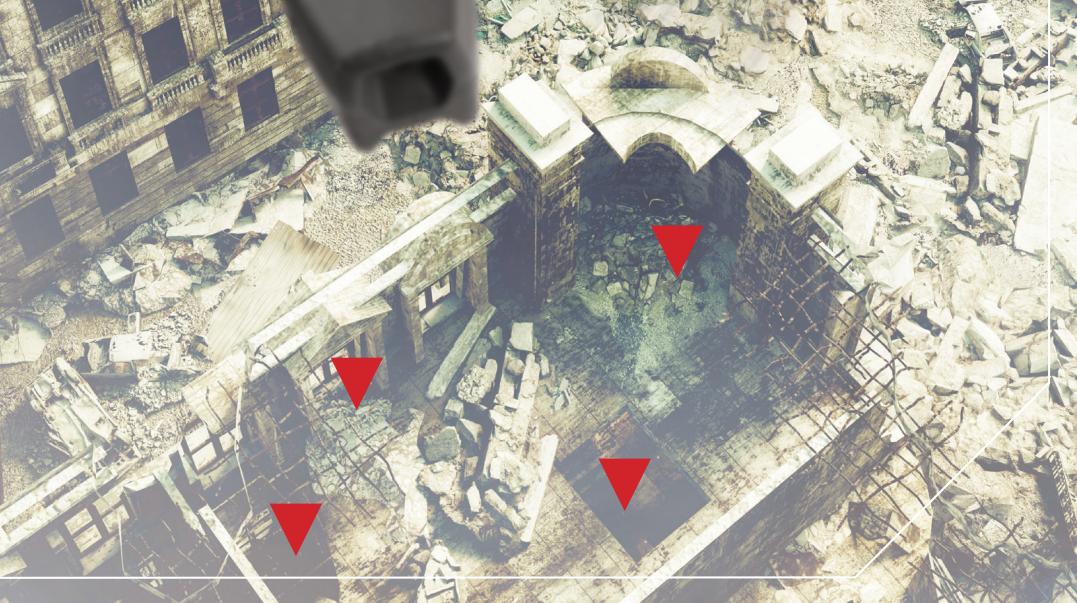


Troops can hold a safe position while the stealthy Black Hornet PRS takes on the mission of quietly looking for threats around corners, overhead, or beyond the next ridge. With a more comprehensive lay of the land, Black Hornet PRS lets soldiers clear access with greater confidence, maneuver with speed,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



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.

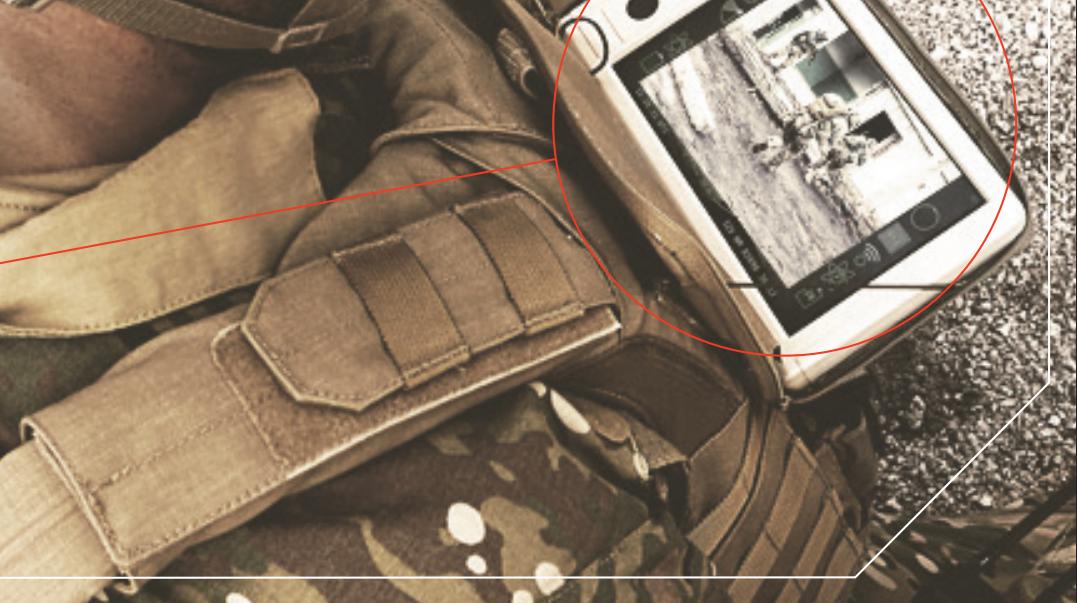




element of surprise on the enemy. Fly Black Hornet PRS around walls, hover over berms and vegetation, slip into tight enclosures, or circle above rooftops. With a ground speed of up to 6 meters/sec (20 feet/sec), the Black Hornet PRS can find and identify imminent danger fast wherever it's waiting.

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.





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.

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

GROUND CONTROL STATION (GCS)

The GCS consists of a Base station, Controller and Display. The Base station houses two Black Hornet 3 nano UAVs and, in combination with the one-handed Controller, 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 nano UAVs. FLIR offers, as standard, a high-quality and lightweight daylight readable display for the Black Hornet PRS. Other networked or integrated solutions for displaying mission data in real-time are available.



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Equipment described herein may require US Government authorization for export purposes.

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