

SHORT-RANGE TACTICAL QUADCOPTER

FLIR ION M440

Rugged, agile, and ready to deploy rapidly, the FLIR ION M440 tactical quadcopter is purpose-built for short-range reconnaissance. The ION is rucksack portable and hand-launched. Built-in daytime and nighttime obstacle avoidance reduce cognitive load for operators in tight, obstructive environments. The ION can fly for 35 minutes, reaching a top speed of 23 mph (10.3 m/s).

The ION's nimble flight capabilities pair with GPS-denied navigation. In GPS-denied or degraded environments, the ION can still maintain operation. The ION also utilizes accurate cursor-on-target, providing accurate coordinates for relay to the GCS. These battlefield capabilities combine improved situational awareness with intuitive operation to keep the warfighter safe and out of the line of fire in dangerous environments.

The ION M440 system is an NDAA-compliant drone designed and manufactured in the United States. The ION is pre-approved for government and military acquisition by the Defense Innovation Unit's Blue sUAS Program.

FEATURES

RAPIDLY DEPLOYABLE

Immediately soldier-deployable short-range reconnaissance VTOL system.

SAFER TO FLY

Embedded sensors and advanced flight algorithms offer a continuous collision avoidance failsafe.

OPERABLE IN GPS-DENIED ENVIRONMENTS

Maintains operational and flight capabilities in GPS-denied or degraded environments.

OPEN SYSTEM ARCHITECTURE

 $Features\ a\ high-powered\ discrete\ mission\ computer\ for\ advanced\ autonomous\ functions,\ is\ MAVLINK\ compliant,\ and\ interoperable\ with\ C-GCS,\ including\ TOGA.$

APPLICATIONS

IMMEDIATE ISR

SITUATIONAL AWARENESS

FORCE PROTECTION

BEYOND LINE-OF-SIGHT RECONNAISSANCE

TARGET TRACKING

SPECIFICATIONS

ION M440 Kit Details

Stand	ard	Features
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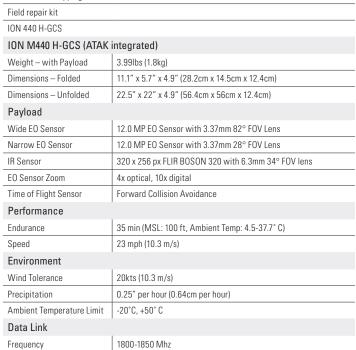
Air Vehicle

Two Lithium-Ion rechargeable smart batteries

Battery Charger

Softshell portable case

Pelican hard shipping case



AES 256

MAVLink 3 km

1.8Ghz DDL





AMERICAS

Encryption Protocol

Range

Radio

FLIR Systems, Inc. Corporate Headquarters 1201 S. Joyce Street Suite C006 Arlington, VA 22202 Office: +1 703.682.3400

FLIR Systems, Inc. 27700 SW Parkway Ave Wilsonville, OR 97070 Office: +1 877.773.3547 FLIR Systems, Inc. 606 SE Depot Ave Gainesville, FL 32601 Office: +1.855.325.8284



For More Information contact ion_sales@flir.com

www.flir.com NASDAQ: FLIR

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20-1626-UIS_FLIR_ION_M440 US LTR

