



FAST-ISR is designed for advanced air operations by a single user. Coming standard with a payload release kit, FAST-ISR can also be equipped with alternative payloads such as munitions and electronic warfare devices. FAST-ISR differs from its predecessor with the integration of FLIR's Hadron 640R electro-optical and infrared camera paired with a nose mounted 2-axis gimbal.

### ISR and Object Detection and Tracking

With an on-board microcomputer and advanced vision system, FAST-ISR is capable of autonomous ISR techniques including flowing objects, loitering, surveying, and more.

### Swarm Deployment and Control

FAST-ISR uses advanced ground control through a ruggedized tablet for multi-vehicle group tasking and deconfliction to execute multiple missions via a single pilot and ground control station.

### Modular Payload

FAST-ISR comes equipped to execute various field missions with its standard payload release kit. It can also be integrated with kinetic effect or electronic warfare payloads.

## KEYFEATURES

**UAS Swarming // FLIR Hadron 640R EO/ IR Camera // NDAA Compliant Option // Payload Drop Kit // Customizable Payload**



## FLIGHTSPECIFICATIONS

### Estimated Flight Specifications

Max Flight Time (hover).....Up to 30 min  
Max Range.....3+ miles  
Max Ground Speed.....45 mph

### Estimated Vehicle Specifications

DoD Sizing Classification.....Group 1  
Maximum Gross Weight.....13.5 lbs  
Usable Payload.....Up to 3 lbs  
Dimensions (with props).....29 in x 29 in x 6.5 in  
Payload Options.....Customizable  
*Payload Release Kit (Standard), or Customizable (Ethernet/CAN)*

*Modular Open System Architecture allows for multiple GCS options.*

### Estimated Camera Specifications

Infrared Camera.....Boson 640x512 pixels  
Electro-optical camera.....64.2 MP

## CORECOMPETENCIES

01

EFFICIENT AND SUSTAINABLE ELECTRIC AIRCRAFT TECHNOLOGY FOR  
ADVANCED AIR MOBILITY AND UNMANNED AIRCRAFT SYSTEMS

02

AS9100 CERTIFIED DESIGN-FOR-X FOR ADVANCED AIR MOBILITY  
AND UNMANNED AIRCRAFT SYSTEMS



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