

xFold™ Spy

Unbox and fly in under 2 minutes. Compact ISR platform for small sensors.

The xFold™ Spy features power and portability, designed for small cameras and sensors. Configurable as Quad, Hexa, x8 or x12 for law enforcement, industrial, commercial, government, and military applications. Its folding carbon fiber frame collapses to a backpack-portable size, enabling rapid deployment from vehicles, rooftops, or forward operating bases. The modular motor and propulsion architecture allows operators to scale redundancy and thrust based on mission requirements, while the universal payload rail accommodates a wide range of EO/IR sensors and communication relays. With its compact form factor and quick-deploy capability, the Spy is ideal for first responders and tactical teams who need airborne ISR on demand without dedicated launch infrastructure.



DRONE SPECIFICATIONS

MAX GROSS TAKEOFF	35 lb
PAYLOAD CAPACITY	5 lb
MAX SPEED	40 mph
MAX ENDURANCE	30 min
MAX CEILING	10,000 ft
MAX RANGE	20 km
CONFIGURATIONS	Quad, Hexa, x8, x12
APPLICATIONS	Law enforcement, industrial, commercial, government, military

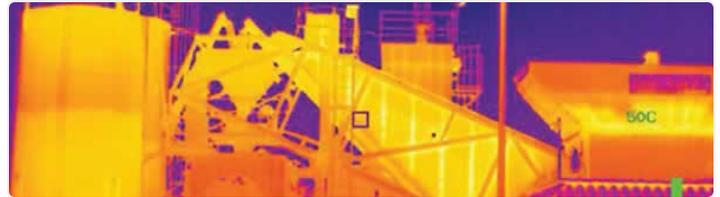
● INTEGRATED CAMERA SYSTEM



Teledyne FLIR Hadron™ 640R

Dual Radiometric Thermal and Visible OEM Camera Module

ITAR-free module combining a 64MP visible camera with a 640x512 radiometric Boson+ thermal camera for accurate temperature measurement. SWaP-optimized for UAS, UGV, robotic platforms, and AI applications using Teledyne FLIR Prism™ software. All Hadron 640 models share mechanical and electrical interfaces. Compatible with Prism AI for detection, tracking, and classification, plus Prism ISP libraries (super-resolution, turbulence mitigation, contrast enhancement). Drivers available for NVIDIA®, Qualcomm®, and other leading processors, with integration support to reduce development cost and time to market.



CAMERA SPECIFICATIONS

RATING	IP54	IR INTERFACE	MIPI (2-lanes), I2C
DIMENSIONS	50mm × 36mm × 43mm	EO SENSOR	64 MP
WEIGHT	56 grams	EO FOV	67° HFOV
POWER	2.9W max, 1.8W typical	EO INTERFACE	MIPI (4-lanes), I2C
IR SENSOR	Radiometric 640 × 512 Boson	EO FEATURES	Configurable to low-light applications
IR LENS	13.6mm, 32° HFOV		

● INCLUDED CONTROLLER



Herelink Blue V1.1 Controller

MPN: HLBC-1001

Designed and manufactured in collaboration between NW Blue and CubePilot. A HD Video Transmission System, using PineSync technology based on S1 processor. It is an easy-to-use device for sending HDMI video and audio signals, at an affordable pricing. Signal transmission range up to 20KM with minimum latency 110ms. Two HDMI inputs. Supports 720p 30fps, 1080p 30fps / 60fps video format.

CONTROLLER SPECIFICATIONS

TRANSMISSION RANGE	Up to 20 km	VIDEO FORMATS	720p 30fps, 1080p 30/60fps
LATENCY	110 ms minimum	PROCESSOR	8-core S1 with Mali-T860 GPU
VIDEO INPUTS	Two HDMI inputs	UPDATES	OTA via WiFi