

TEAL 2 sUAS

The Teal 2 sUAS provides end users with the highest resolution thermal imaging in a small (Group 1) form factor. Its compact size and rugged design enables the system to be rucksack portable and deployed in the most challenging environments.



High-Res Imagery
Equipped with the Teledyne Flir Hadron 640R EO/IR sensor, optimized for nighttime operations.



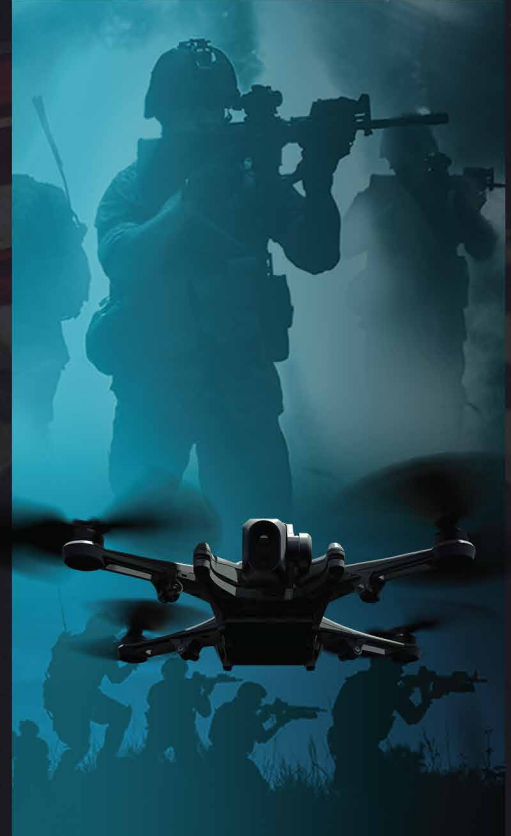
Blue UAS Certified
Designed, built, and serviced in the USA.



Multi-Mission Capable
Multi-vehicle command and control provides a 360 degree view of a single target or ISR on multiple targets.



Tactical Ecosystem
Integration with third party artificial intelligence and computer vision applications enables 3D mapping, target acquisition, and other decision support features.



CONTROLLER AIRCRAFT



IMAGING SYSTEMS



HEAT SIGNATURES



SPECIFICATIONS

AIRCRAFT

Flight Time	30+ minutes*
Weight	2.75 lbs (1.25 kg)
Flight Speed	10 m/s (23 mph)
Max Flight Ceiling	10,000 ft (3048 m) MSL
Max Range (From Controller)	5 km
Operation Temp Range	-32 to 110 F (-35.6 to 43.3 C)
Flight Controller	MAVLink Compliant
Wind Limits	18 mph (16 kn) Sustained to 25 mph (22 kn) Gusts

TEAL AIR CONTROL (TAC)

Downlink Resolution	720p
Encryption	AES-256
Latency	~300ms
Software OS	Android
Battery Life	6 hours
Weight	3.7 lbs (1.68 kg)

*US Standard Atmosphere 1976, which is 59F, Sea Level, 29.92 Barometric Pressure

SENSOR

System	Dual Axis EO/IR Gimbal with Hadron 640R
EO Sensor	16MP, 67 degree HFOV
EO Video Recording	4000x3000 at 15fps
Gimbal Pitch Control Range	-120 to +120
IR Sensor	Boson 640 Radiometric, 32 degree HFOV
IR Video Recording	640x512 at 30Hz
Removable Storage	microSD Card
Recorded Video Format	MP4 and Transport Stream

PROCESSOR

Main Processor	Snapdragon 845
GPU	Adreno 630
CPU	Octa-core Kryo 385
Image Signal Processor	Spectra 280
Memory	6GB LPDDR4X

