

TRACE

PROFESSIONAL-GRADE NANO UAV



Trace provides field operators with a trusted and affordable American-made nano UAV. Trace delivers exceptional sensor capabilities and unmatched stealth and flight endurance. This pocket sized drone meets the complex demands of aerial surveillance, overwatch and data dissemination.



CAPABLE

Stabilized 48MP EO & 320P IR
35 minute flight time
2.5 km LOS / 900m NLOS range

SAFE

<150 g / 5.3 oz AUW

INDOOR/OUTDOOR

360° obstacle avoidance
GPS denied visual position
control with scene illumination
Withstands 25 knot winds

COVERT

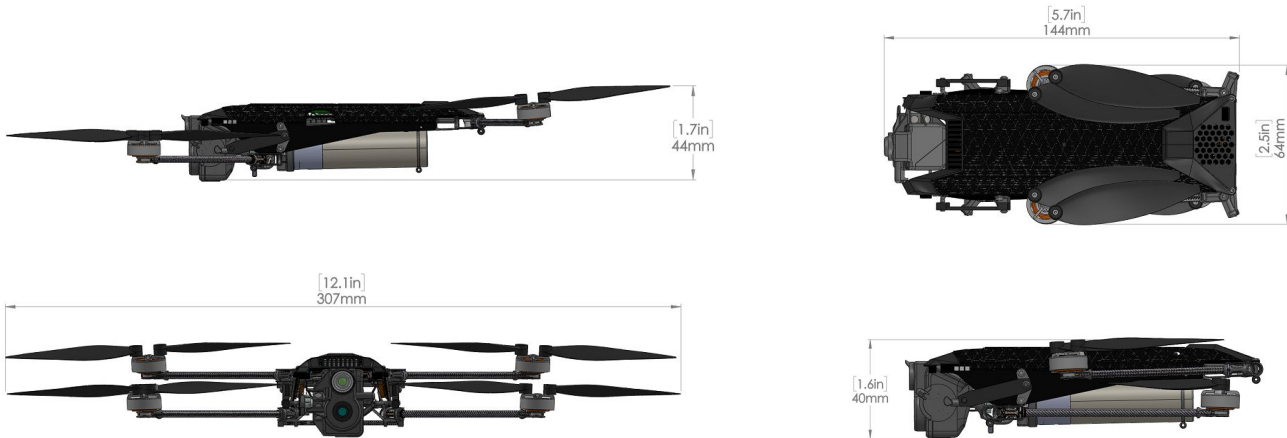
Unseen & inaudible at 30 ft
Remote ID optional

TRUSTED & SECURE

AES-256 encryption
Made in the USA
NDAA compliant

TRACE

SPECIFICATIONS



+ AIRCRAFT

- 30 minute flight time
- Obstacle avoidance, visual position control, and scene illumination for robust indoor and GPS denied operation
- 154 g takeoff weight
- 52 kph / 32 mph top speed
- <34 dBA at 30 m range
- Not visible at 30 ft against terrain
- Operational in 25 kts wind
- -20° to 45 C° temp range
- IP53 ingress protection
- Multi-constellation GPS for autonomous missions
- Hand or ground launch
- Perch and stare capable

+ GIMBAL & CAMERA

- 2-axis stabilized EO/IR gimbal
- Controllable pitch -90° to +70°
- 48 MP EO camera
- f/1.8 lens with autofocus
- 25× digital zoom (67° - 2.7° HFOV)
- 1080p or 4K MPEG-4 video recording format
- 8000x6000 px still images
- 320x240 IR uncooled VOx sensor 24° or 57° HFOV options

+ CONTROL & COMMS

- 2 km LOS range
- 500 m NLOS range (30 dBi attenuation)
- 2.36 GHz Mil and 2.4 GHz ISM radio frequency alternatives
- Automatic channel hopping ensures robust link
- MAVLink and RAS-A compliant
- QGC, ATAK, WMI, and RAC2 compatible
- Compatible with Vantage Vision 2, Kutta KTAC, S20 TE, & Tomahawk Mimic or Grip GCS

+ PORTABILITY

- Folding arms for stowage
- Deployable in 30 sec
- IP67 field case w/ 90 kg crush and 1m drop robustness
- <1000 g & 1000 cm³ w/ Field Case, 2 batteries & Vision 2 GCS
- Watertight, dust-proof, dent-proof Transport Case

+ SECURITY

- DoD "Blue" pending & NDAA compliant
- Designed, sourced, and built in the USA
- AES-256 encryption on all communications and data storage
- No remote data connect