



QUANTIX™ RECON

Quantix™ Recon is a powerful, simple-to-use UAV that delivers rapid, automated reconnaissance and hands-free data collection. Mapping and scouting tasks are effortless with its fully-automated takeoff, flight and landing functions—even first-time users can successfully operate it. With its Radio Frequency (RF) Silent Mode, Quantix Recon flies undetected and undeterred by jammers to deliver accurate, up-to-date maps within minutes for quick mission planning and verification. Its on-board processing provides georeferenced, high-resolution imagery on the user's tablet as soon as Quantix Recon lands—no other devices, internet or software required. Due to its innovative hybrid design, Quantix Recon outperforms traditional quadcopters in range and efficiency. That means you can cover more ground faster and obtain aerial maps of remote, inaccessible areas and rapidly changing environments to ensure the safety of ground troops.

Fully Automated Reconnaissance

QUANTIX™ RECON

DISTINCTIONS

» MISSION COVERAGE



Area
3.24 km²

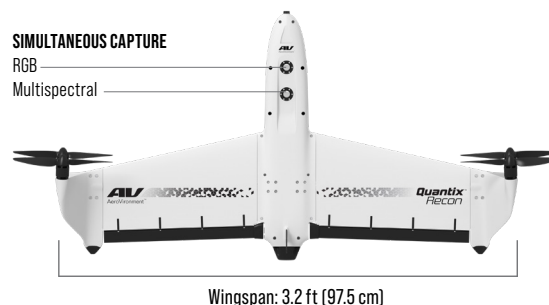


Linear
20 km (out & back)

SPECIFICATIONS

MAX FLIGHT TIME	45 min
RANGE	2 km radio limit (up to 40 km without radio link)
MISSION COVERAGE	Linear: 20 km roundtrip (out & back); 40 km one way max. Area: 3.24 km ² max. @ 800 ft
PROPULSION	4 direct electric drive motors
WEIGHT	5 lb (2.3 kg)
MAX ALTITUDE	7,500 ft (2,286 m) MSL (Density Altitude)
WIND LIMIT	20 mph (9 m/s)
DATA STORAGE	On-board SD card
COMMUNICATIONS	900 MHz Encrypted & wifi
NAVIGATION	Automatic navigation—Area, Waypoint, Linear
TEMPERATURE	0-120 °F (-17-49 °C)
LAUNCH AND RECOVERY	Vertical takeoff and landing

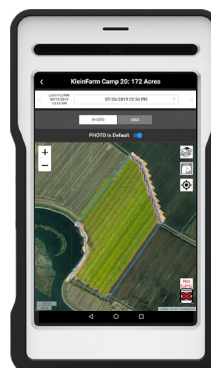
SENSORS	RGB	MULTISPECTRAL
SENSORS	18 MP	18 MP
IMAGE SIZE	4864x3648 px	2432x1824 px
CAPTURE RATE	Automatically adjusted to maintain overlap	Automatically adjusted to maintain overlap
OVERLAP	85% front, 60% side	85% front, 60% side
GSD (GROUND SAMPLING DISTANCE)		
@ 800 ft (243.8 m)	1.9 in (5 cm)	3.9 in (10.1 cm)
@ 600 ft (182.8 m)	1.4 in (3.8 cm)	2.1 in (7.6 cm)
@ 360 ft (109.7 m)	1 in (2.5 cm)	2 in (5 cm)
@ 265 ft (80.7 m)	0.7 in (1.8 cm)	1.4 in (3.6 cm)
@ 150 ft (45.7 m)	0.4 in (1 cm)	0.8 in (2 cm)
SINGLE IMAGE AREA		
@ 800 ft (243.8 m)	14.2 acres (0.057 km ²)	14.2 acres (0.057 km ²)
@ 600 ft (182.8 m)	8.0 acres (0.032 km ²)	8.0 acres (0.032 km ²)
@ 360 ft (109.7 m)	2.9 acres (0.011 km ²)	2.9 acres (0.011 km ²)
@ 265 ft (80.7 m)	1.6 acres (0.006 km ²)	1.6 acres (0.006 km ²)
@ 150 ft (45.7 m)	0.5 acres (0.0002 km ²)	0.5 acres (0.0002 km ²)



KEY FEATURES

- » Fully automated—hands free data collection
- » View high-resolution, georeferenced images instantly on the operating tablet upon landing
- » RF Silent mode—prevent detection & jamming
- » Flexible mapping modes—Area, Waypoint, Linear
- » Ready to fly—deploy within 5 minutes

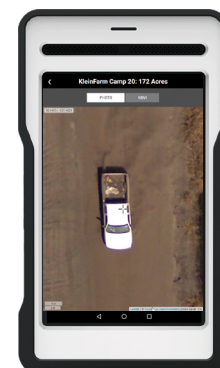
QUICK-LOOK™ HD



First View: Quick-Look



Second View: Clicking a spot pulls up georeferenced high-resolution Images



Third View: Pinch and Zoom Navigation to see every detail