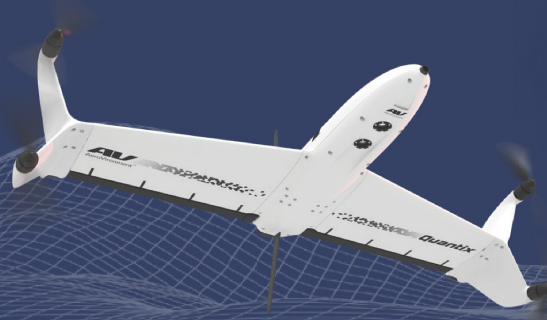


Quantix™ Mapper

Aerial Mapping Made Simple,
Fast and Affordable



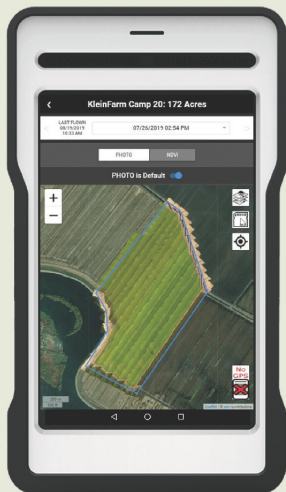
Quantix™ Mapper is a quick and easy to use mapping solution. Now you can immediately view high resolution geospatial imagery on the spot – no other devices, internet or software required. With the touch of a button, you can quickly and safely generate up to date maps for in-field assessments. Gathering imagery across a large area has never been easier with its fully automated operation.

KEY BENEFITS

- *Fully Automatic – Safely collects hundreds of acres with simple user friendly inputs*
- *Quick-Look™ HD – Immediate access to georeferenced High-Resolution Images on tablet*
- *Adjustable Altitude – Simply change altitude to vary coverage rate and image resolution*
- *Non Proprietary images – Further analyze Quantix Mapper data with a wide range of tools*

QUICK-LOOK™ HD

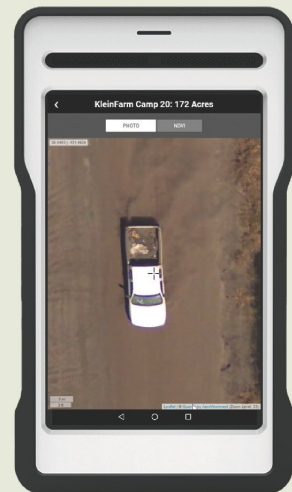
Investigate High-Resolution NDVI & True Color right on the Quantix Mapper Tablet



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

FROM THE BATTLEFIELD TO YOUR FIELD

AeroVironment™ invented the hand-launched intelligence drone category more than 25 years ago. With more than one million flight hours by U.S. military customers, AeroVironment™ offers drone and analytics technologies with a higher-level of reliability and safety that you can depend on. Quantix was designed and developed in the United States alongside our military products.



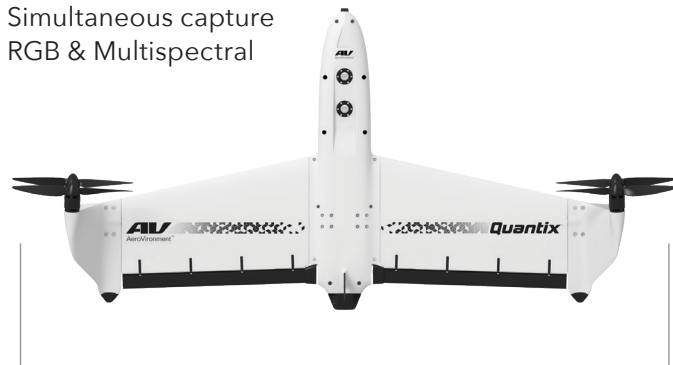
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WITH
CERTAINTY

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Integrated Light Sensor to Color Balance and Correct RGB and Multispectral Camera

High reliability with multi-rotor vertical take-off and efficiency with fixed wing forward flight



Simultaneous capture RGB & Multispectral

5 lbs (2.27 kg)
3.2 ft (97.5 cm)

CAMERA SPECIFICATIONS

CAMERAS	RGB	MULTISPECTRAL
BANDS	Red peak at 610, half height width 583-673nm = 90nm, center 630nm Green peak at 546, half height width 506-586 = 80nm, center 546nm Blue peak at 470nm, half height width 415-500nm = 85nm, 458nm	Green peak at 549nm, half height width 533-604nm = 71 nm, center 569nm Red peak at 599nm, half height width 581-657nm = 76 nm, center 619 nm NIR peak at 826nm, half height width 795-884nm = 89 nm, center 840nm
SENSORS	18 MP	18 MP
IMAGE SIZE	4864x3648 pixels	2432x1824 pixels
FOCAL LENGTH	5.4 mm	5.4 mm
SENSOR SIZE	6.08 mm width by 4.56 mm height	6.08 mm width by 4.56 mm height
FOV	59.2 x 46 degrees	59.2 x 46 degrees
OPTICAL FORMAT	1/2.3 in	1/2.3 in
PHOTO FORMAT	GEOTiff, JPG	JPG with Lat/Long
IRIS (F NUMBER)	2	2
ILS (SOLAR SENSOR)	Color + IR Ambient Light Sensing	Color + IR Ambient Light Sensing
GSD	at 360 ft: 1 in (2.5 cm) at 265 ft: 0.7 in (1.8 cm) at 150 ft: 0.4 in (1 cm)	at 360 ft: 2 in (5 cm) at 265 ft: 1.4 in (3.6 cm) at 150 ft: 0.8 in (2 cm)
SINGLE IMAGE AREA	at 360 ft: 2.9 Acres at 265 ft: 1.6 Acres at 150 ft: 0.5 Acres	
CAPTURE RATE	Automatically adjusted to maintain overlap	
OVERLAP	85% Front, 60% Side	

DRONE SPECIFICATIONS

MAXIMUM COVERAGE, IDEAL CONDITIONS (1 BATTERY-LITHIUM ION)	400 acres at 360 ft AGL 240 acres at 265 ft AGL 140 acres at 150 ft AGL
FLIGHT TIME	45 minutes
MAX ALTITUDE	7,500 ft (2,286 m) MSL (Density Altitude)
IMAGING SPEED	45 mph (20 m/s)
WIND LIMITS	20 mph (9 m/s)
DATA STORAGE	On-board SD card
COMMUNICATIONS	900 MHz Encrypted & Wifi
OPERATING TEMPERATURE	0-120° F



Hybrid design—maximizing aerodynamic efficiency and range