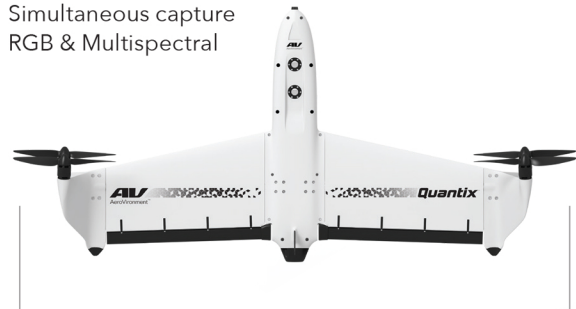


### Drone Specifications

Maximum Coverage .....	<b>400 acres at 360 ft AGL</b>
Ideal Conditions + 1 Lithium Ion Battery	<b>240 acres at 265 ft AGL</b>
	<b>140 acres at 150 ft AGL</b>
Flight Time .....	<b>45 minutes</b>
Maximum Altitude .....	<b>7,500 ft. (0-2,286 m)</b>
Imaging Speed .....	<b>45 mph (20 m/s)</b>
Wind Limits .....	<b>20 mph (9 m/s)</b>
Data Storage .....	<b>On-board SD card</b>
Communications .....	<b>900 MHz Encrypted &amp; Wifi</b>
Operating Temperature .....	<b>0-120°F</b>



Simultaneous capture  
RGB & Multispectral



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

CAMERA SPECIFICATIONS		
CAMERAS	RGB	MULTISPECTRAL
<b>BANDS</b>	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
<b>SENSORS</b>	18 MP	18 MP
<b>IMAGE SIZE</b>	4864x3648 pixels	2432x1824 pixels
<b>FOCAL LENGTH</b>	5.4 mm	5.4 mm
<b>SENSOR SIZE</b>	6.08 mm width by 4.56 mm height	6.08 mm width by 4.56 mm height
<b>FOV</b>	59.2 x 46 degrees	59.2 x 46 degrees
<b>OPTICAL FORMAT</b>	1/2.3 in	1/2.3 in
<b>PHOTO FORMAT</b>	GEOTiff, JPG	JPG with Lat/Long
<b>IRIS (F NUMBER)</b>	2	2
<b>ILS (SOLAR SENSOR)</b>	Color + IR Ambient Light Sensing	Color + IR Ambient Light Sensing
<b>GSD</b>	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)
<b>SINGLE IMAGE AREA</b>	at 360 ft: 2.9 Acres at 265 ft: 1.6 Acres at 150 ft: 0.5 Acres	
<b>CAPTURE RATE</b>	Automatically adjusted to maintain overlap	
<b>OVERLAP</b>	85% Front, 60% Side	



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

