

## RQ-84Z AREOHAWK PHOTOGRAMMETRY UAV

### Size:

4.2kg (9.3lbs) Maximum All Up Weight

2.8m (9.2') Wingspan

### Characteristics:

Electric motor + Lithium Polymer batteries

Simplified flight operations

Independent flight monitoring systems

Strong and lightweight construction

Multiple safety systems including return on fail

Hand launched / Parachute Recovery

### Performance:

Cruise speed 50-60 km/h

60-90 minute endurance

### Sensor:

Sony NEX 16 MegaPixel Camera

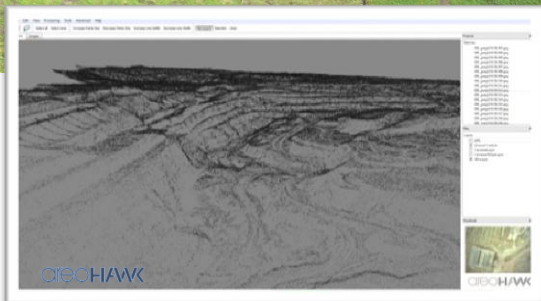
15mm Ultrawide Survey lens



- ✦ Design based on hundreds of flight hours of experience. Turn key solution ready for commercial use.
- ✦ Hawkeye training and procedures ensure there are no gaps in your data acquisition and photo overlap, regardless of weather conditions.
- ✦ Launch reliability. There's no need to buy, transport and maintain a catapult or launcher.
- ✦ Tough and robust. Made from lightweight and strong composites. Fly again tomorrow.
- ✦ Stable and optimised for imaging of large areas, get your project completed in one flight.
- ✦ High quality sensors with high quality lenses. Enjoy survey grade acquisition.
- ✦ Simulation technology to get you started, keep you current and prepare for tasks. Make mistakes on a simulator not on the UAV.
- ✦ Autopilot assisted flight from take off to recovery. No Radio Control Skills required.
- ✦ Travel cases to keep the dust out and UAV secure.
- ✦ Daylight readable laptop in specialised Ground Control Station.
- ✦ Take advantage of our years of experience in UAV Operations with comprehensive training. Remove startup risk by learning from experience supported by procedures, documentation and training.



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## AREOHAWK PRODUCTS

- ✦ Orthorectified Imagery in desired coordinate system
- ✦ Images delivered as 1 km<sup>2</sup> tiles GIS ready
- ✦ Ground Control integrated prior to image processing
- ✦ Automated colour balancing and tone matching.
- ✦ Unique rendering removes parallax error, using only the most nadir pixels.
- ✦ Delivery options include Cloud based services
- ✦ Ultra dense Point Cloud
- ✦ Genuine low cost LiDAR alternative
- ✦ Digital Surface and Elevation Models (DSM/DEM)
- ✦ Survey accuracy (<0.2m)
- ✦ Wide range of delivery options
- ✦ Optional Full Motion Video (FMV)
- ✦ Live feed for instant analysis on the ground
- ✦ Options include stabilized FLIR and HD video
- ✦ UAV Operator Training
- ✦ UAV Sales, Service and Support
- ✦ International Distribution Network

