



## **UAVi X-200 PPK High Accuracy for Mapping, Monitoring, Inspection and Spatial Analysts**



The UAVi X-200 High Wing UAV is an easy-to-launch, terrain mapping and operational surveillance. It offers superb stability, silent and fast cruise flight and tons of Power with its dual motor configuration. With bigger space in its belly, UAVi X-200 offers to carry 16,000 mah batteries and can offer flight times up to 60 minutes depending on weather conditions.

The Mission Planner software can quickly create complete surveys in seconds. Software also serves as Ground Control Station for full flight info and in-flight commands (40 km range). Missions are easily created or edited on the field without requiring internet access. UAVi X-200 automatically returns to home upon loss of Telemetry link. More failsafe routines are available. Six flight modes available: Manual, Auto-stabilization, Fly By Wire, Loiter, Return-to-Home & Full Autonomous.



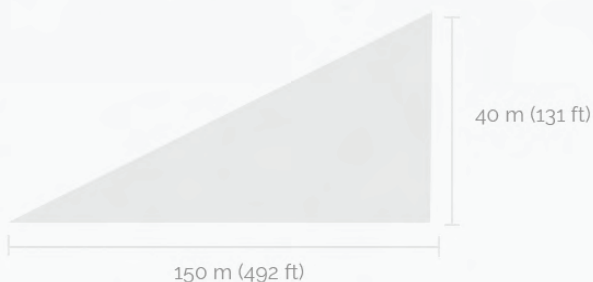
## Specifications

Wingspan	212 cm
Length	60 cm
Weight	Starting at 1.5 up to 3.5 Kg
Endurance	Up to 60 min
Maximum Altitude	600 m
Wind tolerance	Mean 14 Kts   Max 18 Kts
Camera	HD 720p on-board recording and streaming
Communication	Wi-Fi 2.4Ghz



### HAND LAUNCH

150 m (492 ft) climb out to 40 m (131 ft) altitude



### MIN APPROACH DISTANCE

200m | 656ft

### LANDING ROLLOUT

Distance to stop from touchdown

Land

2m | 6.6ft

## S110 RE

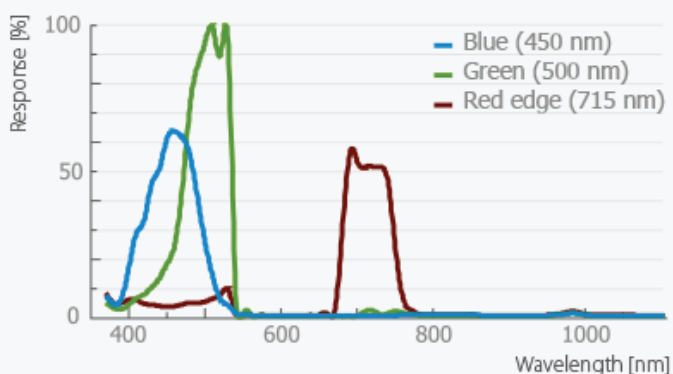
Unlike the NIR camera above, the 12 MP S110 RE acquires data in the red edge band, the region where a plant's reflectance changes from low to high.



### High resolution red-edge images

The S110 RE provides Blue, Green and Red-edge band data, allowing vegetation indices to be calculated at a fine-grained resolution. Red-edge data is used by various indices to evaluate plant stress and chlorophyll concentration, indicated by the shift in a plant's transition from low to high spectral reflectance.

### Band responses

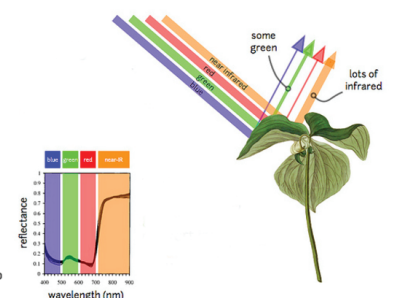
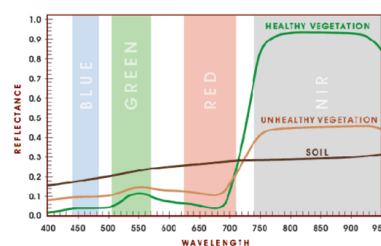
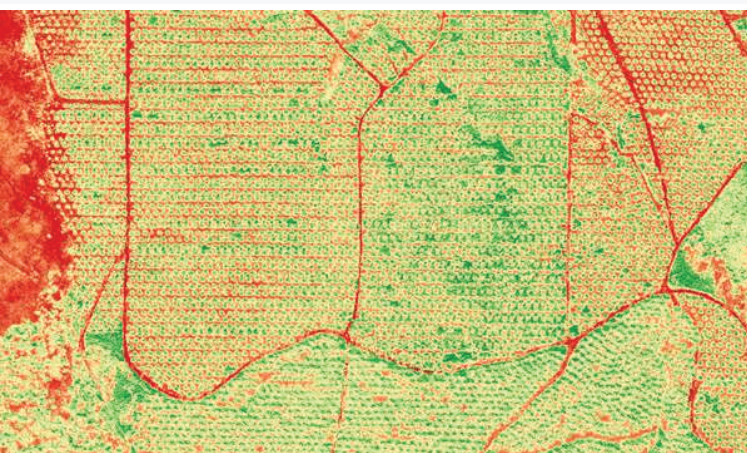


### Technical features

Resolution	12 MP
Ground resolution at 100 m	3.5 cm/px
Sensor size	7.44 x 5.58 mm
Pixel pitch	1.86 $\mu$ m
Image format	JPEG and/or RAW
Upward looking irradiance sensor	No

### Characteristics

High wind & low light conditions	★★★★★
Usability	★★★★★
Mission flight time	★★★★★
Optimised aerodynamic profile	★★★★★
Orthomosaic & DSM	★★★★★
Ground Sampling Distance (GSD)	★★★★★
Band precision	★★★







## Vertical Take-Off and Landing

Vertical Take-Off and Landing (VTOL) enables aircraft to operate from virtually any environment. No runway is required. This opens up flying to a much larger range of possible terrains, from backyards and rough fields, over snow-covered mountains and sandy beaches, to a boat on the sea.

The problem with traditional VTOL machines such as helicopters and more recently multirotors is that they are slow and inefficient. This is because such machines always have to actively work to stay in the air, in addition to pushing themselves forward.

The energy it takes to spin the rotors that keeps rotorcraft in the air DOES NOT generate any forward motion, additional energy has to be expended to get a rotorcraft to move forward. In a winged airplane on the other hand, the energy expended to move the wings through the air to generate lift, at the same time DOES also generate forward motion. Also, large rotors standing in the oncoming wind of a moving aircraft are very detrimental to aerodynamics and hence speed, endurance and range. In summary, winged aircraft can typically fly twice as fast as rotorcraft, stay in the air twice as long and have a range that can reach 4 times that of rotorcraft on the same amount of fuel/energy. Winged air travel can be just as energy efficient as travel by car, but it is up to 8 times faster!

Combining VTOL and winged flight is a fairly obvious theoretical idea. However, in order for this to make sense, the resulting vehicle must offer the best of both rotor-powered VTOL and winged flight, not a compromise. This is where the switchblade transformation mechanism comes in.



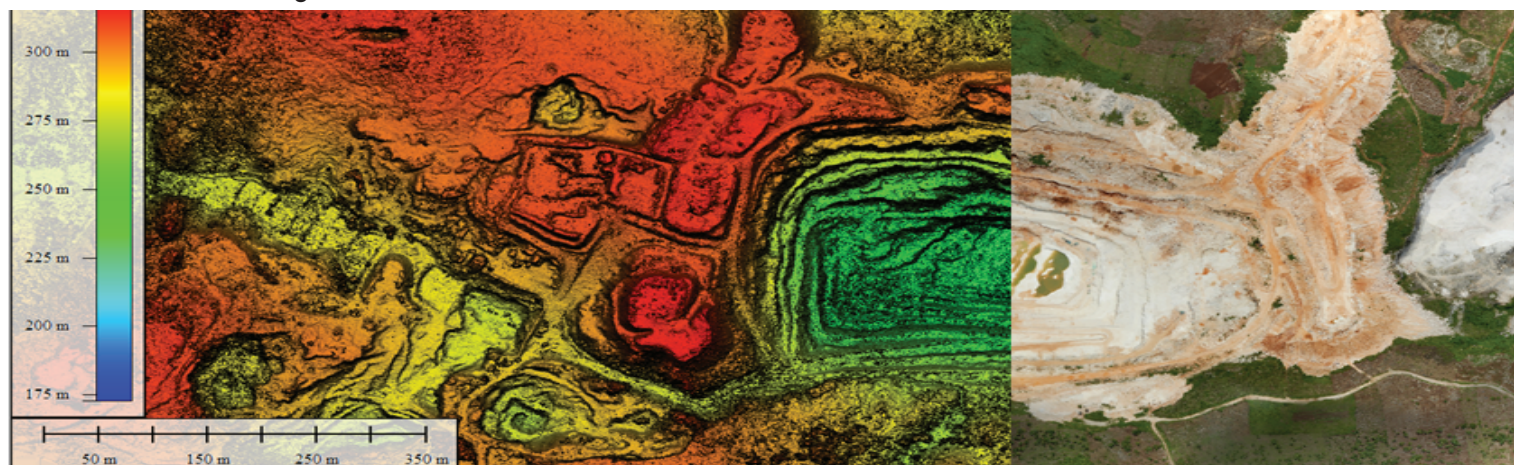
## UAVi X-200 for Property Development



## UAVi X-200 for Plantation



## UAVi X-200 for Mining





## Price and Item Detail

Qty	Item #	Description	Unit Price	Line Total
1	UAVi X-200	UAVi X-200 Professional (UAV) ready to fly 3,600gram autonomous airplane with built in autopilot. It equipped with a high-resolution RGB camera and come with all software and equipment needed for immediate operation. The package include : 1 x UAVi X-200 (ready to fly mini drone with built in autopilot for fully autonomous navigation and automatic control of the board camera) 1 x RGB Camera (24MP) 1 x 915MHz USB radio modem RFD for data link 1 x 2.4GHz remote control (in case safety pilot required) 2 x rechargeable battery UAVi X-200 1 x Battery Charger 2 x Propeller and spinner 1 x EPP glue 1 x Transport Bag with space for all material 1 x Software for flight planning 1 x User manual UAVi X-200 (English and Indonesia) 1 x Training Basic 6 Month Free Upload to Dronebox.co.id	IDR 100,000,000.-	IDR 100,000,000.-
1	PPK Upgrade	UAVi X-200 PPK Upgrade High Accuracy GPS	IDR 50,000,000.-	IDR 50,000,000.-
1	NDVI Upgrade	UAVi X-200 Dual Sensor RGB + NDVI Upgrade	IDR 25,000,000.-	IDR 25,000,000.-
1	VTOL Upgrade	UAVi X-200 VTOL (vertical takeoff landing)	IDR 50,000,000.-	IDR 50,000,000.-
<b>Total</b>				Contact Us

### Note:

1. Price above excludes PPN 10%
2. Client should provide air ticket Jakarta-Site (vv), local transport, messing, accommodation and logistic for trainer if training at site.

## SALES TERM AND CONDITION

1. Price validity : 30 days from the date of quotation otherwise to confirm for extension.
2. Delivery : 5 to 8 weeks from the date of receipt of official order.
3. Warranty : Limited to six (6) months Manufacturer terms of warranty.
4. Payment : 50% upon confirmation and 50% prior delivery.
5. Cancelation : No cancellation of order will be accepted once firm order has been issued



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