

VO305

Five-lens 3D Oblique Camera
for UAV Aerial Mapping and Survey



305MP
UH Resolution



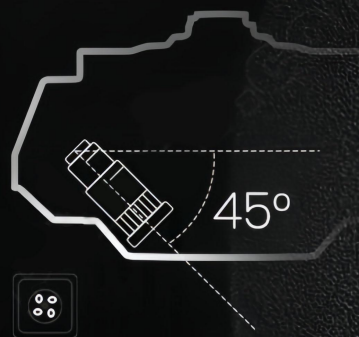
Oblique +
Orthographic



OLED
Display Status



1280G
Storage Module



Scientific Golden Angle Layout

The orthographic camera is 40mm real wide-angle focus length which supports super large area coverage. 4pcs 56mm oblique lens arrays in scientific golden angle 45° to reduce the distortion of aerial photographs. The advanced and reasonable layout brings efficient and high quality SFM photogrammetry.



Side view of camera

1280G Storage module

OLED showing camera status

Card reader



VO305



Dimensions



Command Interface for Open Source UAV

VO305 equips a J30J-21 interface for power supply and data transmission for regular open source (Pixhawk, PX4...) UAV. There are 4pcs M3 threaded holes in front for easy mounting.



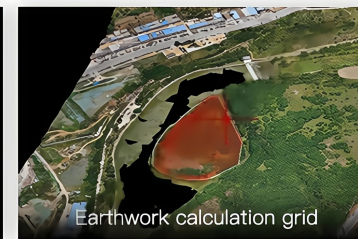
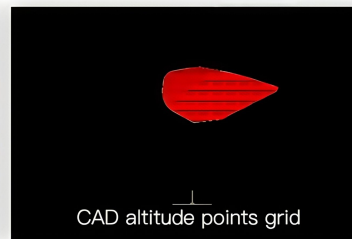
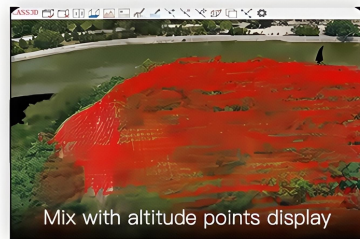


1280G High-speed Data Storage Module

VO305 is equipped with a 1280GB big volume data storage module which can store images and POS for all 5 camera modules at the same time with a read speed 300MB/S, simple, fast and safe.

Applications

VO305 is applied to many high quality requested SFM photogrammetry applications, such as aerial surveying and mapping, land application, development and utilization of natural resources, registration of real estate, geological exploration and management, etc.

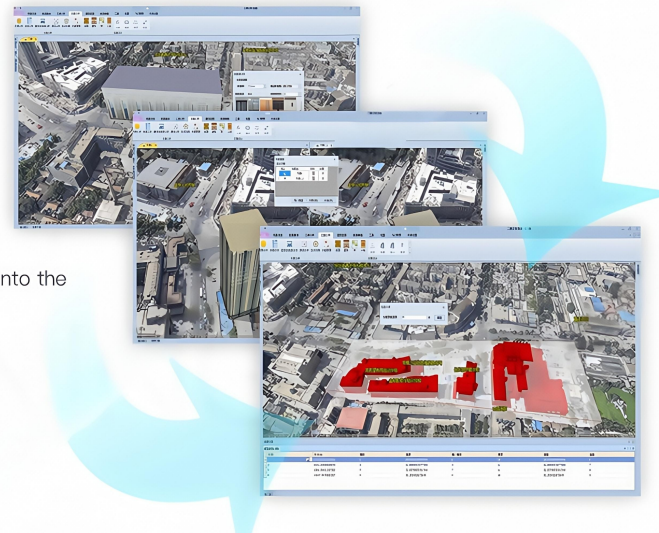


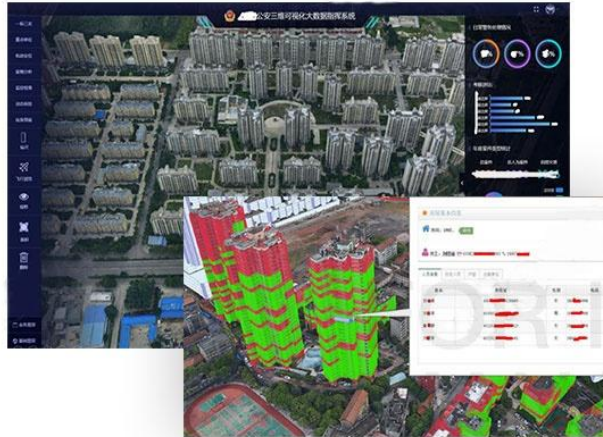
For earthwork calculations

VO305S outputs high-density point cloud of demand area to earthwork calculation software.

For city planning

Delete old buildings, put new designed building into the same place to view the effect of planning.

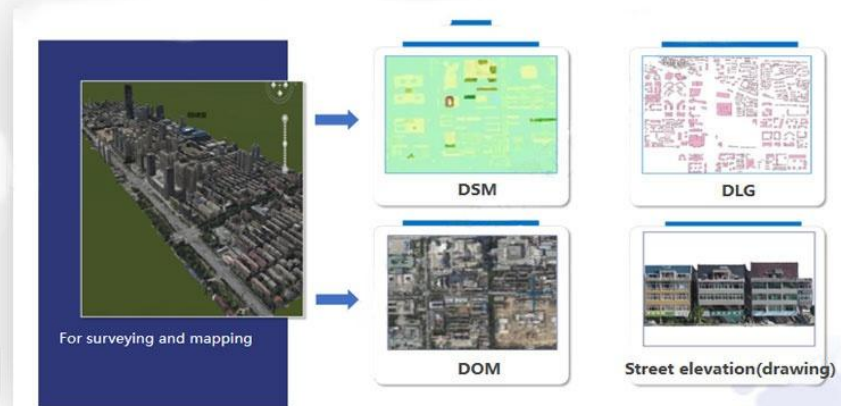




For information management

For surveying and mapping

- DSM
- DLG
- DOM
- Street elevation(drawing)



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