

HIGH PRECISION AND EASY OPERATION
WITHOUT GCP: YOU CAN HAVE IT ALL

1000

PTS/M² MAX
3D MODELS
RESOLUTION

1

GSD DOWN
TO 1 CM

36

MPIX - FULL FRAME
HIGH RESOLUTION
CAMERA

5

MIN
DEPLOYMENT
TIME



Professional line

DATASHEET

UX5 HP

PROFESSIONAL UAV
SURVEY, MONITOR AND INSPECT

INDUSTRIES



Geospatial



Mines &
Quarries



Emergency

KEY APPLICATIONS

✓ Mapping

✓ Topographic Surveys

✓ Infrastructure Inspection

✓ Vegetation Monitoring

✓ Anomaly Detection

✓ Research
(Geology, Archaeology)

KEY DIFFERENTIATORS

Leading image acquisition quality and data accuracy thanks to high performance Trimble GNSS receiver with PPK GNSS technology and 36 Mpix full frame camera.

Field readiness and operational performance: all-weather performance, all-terrain technology, high resistance compatible with an intensive use.

Landings - less space, more accuracy - reverse thrust for precise landings in confined spaces for landing confidence every time.

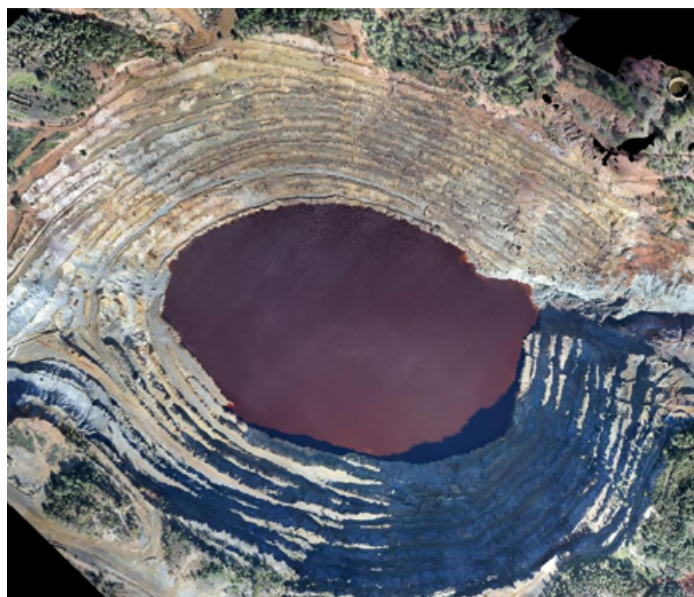
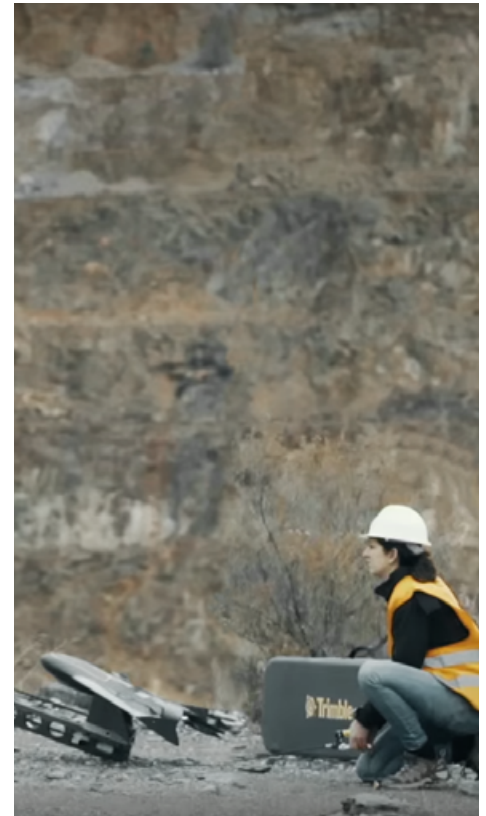
Accessible technology & intuitive workflow with Trimble Business Center and/or Delair-Stack® data processing software.

UAV SPECIFICATIONS

Endurance	Up to 35 min
Weight (payload included)	2.5 kg
Wingspan	1 m
Material	EPP foam; carbon frame structure; composite elements
Deployment time	5 min
Cruise speed	85 km/h
Take-off / Landing	Catapult (angle: 30 degrees) / Belly (angle: 14 degrees)
Flying range	60 km
Maximum surface area covered (35 mm lens - 70% overlap)	
....	0.52 km ² mapped with 1 cm GSD @ 75 m AGL
....	1.2 km ² mapped with 2.1 cm GSD @ 150 m AGL
....	7.8 km ² mapped with 10.5 cm GSD @ 750 m AGL
Operating conditions	
Wind resistance	55 km/h, moderate rain
Altitude	Ceiling up to 5000 m
Landing space	Typically: 20 m x 6 m / Recommended: 50 m x 30 m

SENSOR

Resolution	36 Mpix
Features	Mirrorless full frame with customs 15, 25 or 35 mm lens GNSS receiver L1/L2 GNSS, 20 Hz (GPS, GLONASS, BeiDou, Galileo ready)



DELIVERABLES

Raw data compatible with

Delair-Stack®, Trimble Business Center and all photogrammetry software.

Analytics available on Delair-Stack® with on-demand format

Ortho Image & DSM (Digital Surface Model), Contour Lines, Cross Sections, Elevation Profiles, Stock Pile Volume Calculation, Vegetation Encroachment, Anomaly Detection, and many more.

Analytics compatible with

Delair-Stack®
ESRI ArcGIS, QGIS, Surpac, GlobalMapper, AutoCAD, PLS-CADD and many more.