

FIELD READINESS AND RAPID DATA COLLECTION WITH A GSD DOWN TO 2 CM

19
UP TO 19 KM²
PER FLIGHT.

50
MIN
ENDURANCE.

24
MPIX -
PROFESSIONAL
RGB SENSOR.

5
MIN
DEPLOYMENT
TIME



Professional line

DATASHEET

UX5

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 using the 24 Mpix APS-C 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 50 min
Weight (payload included)	2.5 kg
Wingspan	1 m
Material	EPP foam; carbon frame structure; composite elements
Deployment time	5 min
Cruise speed	80 km/h
Take-off / Landing	Catapult (angle: 30 degrees) / Belly (angle: 14 degrees)
Flying range	60 km

Maximum surface area covered (70% overlap)

.... 1.36 km² mapped with 2 cm GSD @ 75 m AGL

.... 3.15 km² mapped with 3.9 cm GSD @ 150 m AGL

.... 18 km² mapped with 19.5 cm GSD @ 750 m AGL

Operating conditions

Wind resistance

65 km/h, moderate rain

Altitude

Ceiling up to 5000 m

Landing space

Typically: 20 m x 6 m / Recommended: 50 m x 30 m

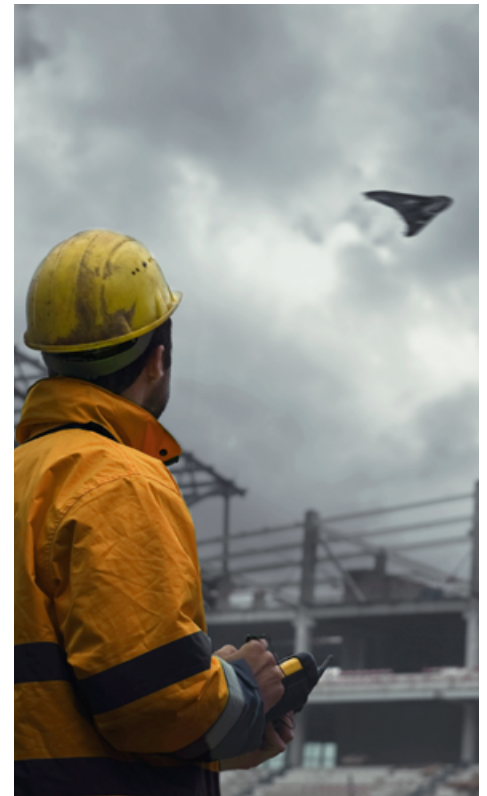
SENSOR

Resolution

24 Mpix

Features

Mirrorless APSC with custom 15 mm lens



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.