

# RELIABLE & RUGGED

Be field-ready for rapid data collection  
with a GSD down to 2CM



Professional Line

## UX5

PROFESSIONAL UAV  
SURVEY, MONITOR & INSPECT

**19**

Up to 19 km<sup>2</sup>  
per flight

**50**

min  
endurance

**24**

MPIX  
professional RGB  
sensor

**5**

min  
deployment time

### INDUSTRIES



Geospatial



Mines and  
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 intensive use.

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

**Consistent and safe take-offs:** catapult launches keep operator a safe distance from aircraft upon launch.

## UAV SPECIFICATIONS

Endurance <sup>1</sup>	Up to 50 minutes
Weight (payload included)	2,5 kg
Wingspan	1 m
Material	EPP foam; carbon frame structure; composite elements
Deployment time <sup>1</sup>	5 min
Take-off / Landing	Catapult (angle: 30 degrees) / Belly (angle: 14 degrees)
Cruise speed	80 km/h (43 kts)
Flying range <sup>1</sup>	60 km

Maximum surface area covered (70% overlap)<sup>1</sup>

- 1.36 km<sup>2</sup> mapped with 2 cm GSD @ 75 m AGL
- 3.15 km<sup>2</sup> mapped with 3.9 cm GSD @ 150 m AGL
- 18 km<sup>2</sup> mapped with 19.5 cm GSD @ 750 m AGL

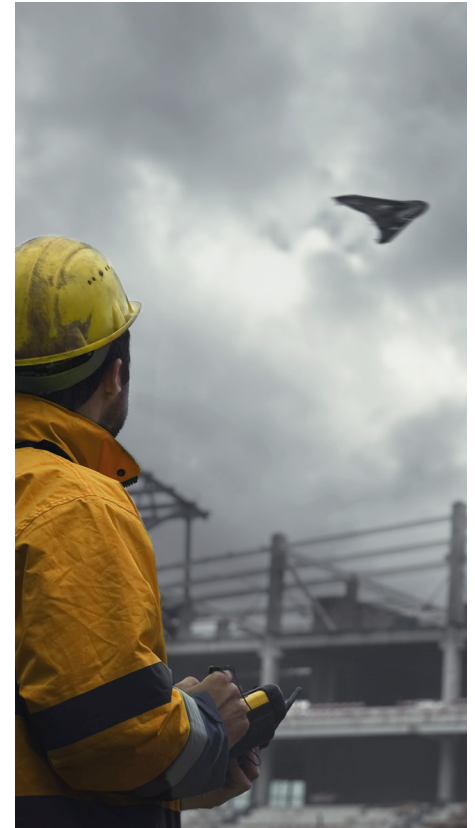
Communication range<sup>1</sup> Up to 5 km / secured link

Operating conditions

Weather 55 km/h, moderate rain

Altitude<sup>1</sup> Ceiling up to 5000 m

Landing accuracy 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 ALL PHOTOGRAMMETRY SOFTWARE.**

### ANALYTICS

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

### ANALYTICS COMPATIBLE WITH

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

<sup>1</sup> Actual results may vary depending on UAV configuration, battery age and condition, and operational, environmental and climate conditions.

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