

# Prion Mk3

## Multi-Physics Acquisition

### Industrial grade LiDAR – Riegl VUX-1

- Kinematic LiDAR system
- Integrated IMU/GNSS
- Survey-grade measurement accuracy

**UAVE**<sup>LTD</sup>   
Large UAVs - long flight endurance



Try our long-flight  
endurance fixed-wing  
UAV airborne LiDAR  
data acquisition service  
for your next project

*No compromise on your data quality –  
we fly full-spec scientific equipment*



15kg  
Maximum  
Payload



1000+ km  
Operational  
Range



12Hrs  
Flight  
Endurance

[www.uave.co.uk](http://www.uave.co.uk)

# Prion Mk3

## Multi-Physics Acquisition

### North Pole to South Pole

- Geophysical
- Mineral Exploration
- Atmospheric Monitoring
- Ice-sheet Monitoring
- Wildlife Counting

**UAVE** LTD   
Large UAVs - long flight endurance



Prion Mk3 Long-flight endurance fixed-wing UAV to fly research projects in Greenland and Antarctica



**British Antarctic Survey**  
NATURAL ENVIRONMENT RESEARCH COUNCIL

*No compromise on your data quality - we fly full-spec scientific equipment*



15kg  
Maximum  
Payload



1000+ km  
Operational  
Range



12Hrs  
Flight  
Endurance

[www.uave.co.uk](http://www.uave.co.uk)

# Prion Mk3

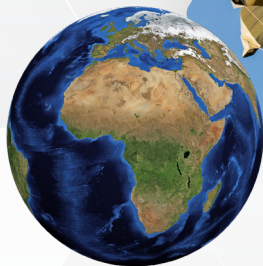
Multi-Physics Acquisition

Humanitarian Aid

**UAVE** LTD   
Large UAVs - long flight endurance

Long-flight endurance UAV Prion Mk3 is configured for parachuted drop box delivery for use in humanitarian aid and general logistics

In cooperation with  
AirDropBox



*No compromise on your cargo - we are capable of safely delivering considerable payloads to remote areas of the globe*



15kg  
Maximum  
Payload



1000+ km  
Operational  
Range



12Hrs  
Flight  
Endurance

[www.uave.co.uk](http://www.uave.co.uk)

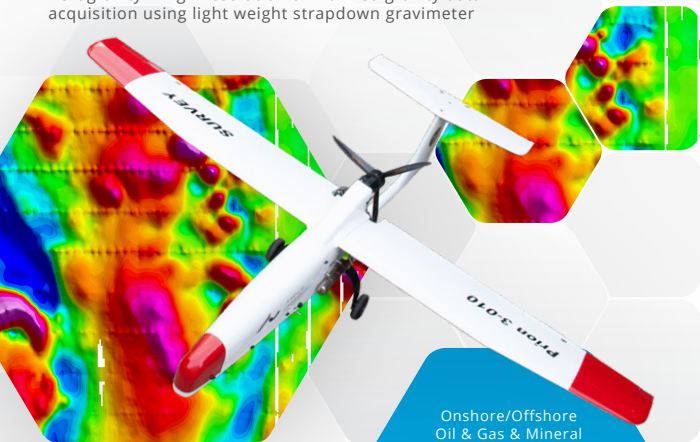
# Prion Mk3

## Multi-Physics Acquisition

### Geophysical

- Aeromagnetic – Cesium Vapour magnetometer
- Aerogravity – high-resolution unmanned gravity data acquisition using light weight strapdown gravimeter

**UAVE** LTD   
Large UAVs - long flight endurance



Onshore/Offshore  
Oil & Gas & Mineral  
Exploration

High resolution unmanned  
aeromagnetic survey from  
Northern Norway,  
conducted by Prion Mk3  
in 2011

*No compromise on your data quality –  
we fly full-spec scientific equipment*



15kg  
Maximum  
Payload



1000+ km  
Operational  
Range



12Hrs  
Flight  
Endurance

[www.uave.co.uk](http://www.uave.co.uk)

# Prion Mk3

## Multi-Physics Acquisition

### Detect & Track : day and night surveillance

- Real-time video surveillance
- Electro-optical/Infra-red camera
- Smart detection software
- Search & Rescue Operations
- Wildlife detection & monitoring

**UAVE**<sup>LTD</sup>   
Large UAVs - long flight endurance



*No compromise on your data quality -  
we fly full-spec scientific equipment*

The EO/IR camera identifies anomalies (colour, shape, reflectivity, heat) above the background signal and highlights an area with a red box and audible alarm. An operator can then choose to zoom in on the object and track it.



15kg  
Maximum  
Payload



1000+ km  
Operational  
Range



12Hrs  
Flight  
Endurance

[www.uave.co.uk](http://www.uave.co.uk)

# Prion Mk3

Multi-Physics Acquisition

Aerosol sampling & photogrammetry

**UAVE**<sup>LTD</sup>   
Large UAVs - long flight endurance



## Environmental & Wildlife Monitoring

During 2019/2020 seasons long flight endurance UAV Prion Mk3 will be counting penguins for British Antarctic Survey and conducting atmospheric pollution monitoring in Greenland.

*No compromise on your data quality - we fly full-spec scientific equipment*



15kg  
Maximum  
Payload



1000+ km  
Operational  
Range



12Hrs  
Flight  
Endurance

[www.uave.co.uk](http://www.uave.co.uk)