It is accurate, simple, efficient – here is what you get

**SIRIUS UAV**

Three rotors and a solid airframe turn the plane into an ideal tool to stabilize the camera. Customers are excellently pleased with the ease of exchanging spare parts and the lightweight and durable material. There is no overheating thanks to the white color while the black underside and flax lights make it clearly visible.

**Pro version added-on:** MAVinci controller can be used as an internal F/01 base station instead of having an external one.

**Add-on:** An air traffic monitoring system can be added to the UAV. You will be warned in time if other objects enter the grips of your UAV.

**Camera Kit**

Equipped with different sensors: cameras, SIRIUS UAV achieves high-quality data. In new flights SIRIUS UAV captures more than 2,000 images, providing high-quality and accurate processing.

**Add-on:** To obtain data about vegetation conditions and photosynthetic capacity, you can use a NIR camera. Your infrared images can be captured in the same high resolution.

**MAVinci Desktop**

Our additional software MAVinci Desktop integrates all functions you need to plan your flight as well as process your data. As with flight planning, it covers the selected area within one or more flights. Flights will be automatically generated and can be edited at any time. With just one click you can access the processing software and control individual images to search orthophotos and 3D models.

**Service and training**

While continuously optimizing our product, our main focus is on simplicity and efficiency. But regardless we want you to become a SIRIUS UAV expert. That training is included. We educate you on how to use it in difficult situations and how to get the most out of it in terms of your business success.

**What we do for you**

Founded in 2007, MAVinci is a leading German manufacturer of unmanned aerial vehicles for surveying and mapping solutions. With our cutting-edge technology in both software and hardware, we are able to deal with customer needs. Innovative hardware and software development enables us to provide more value to the projects and help meet different challenges surveying professionals are faced with.

**Learn how we give value**

**High accuracy**

Our SIRIUS UAV is equipped with radome technology, combined with a solidly designed airframe. Even in bad weather, moving conditions and without setting ground control points, SIRIUS UAV provides high-accuracy data.

**High quality in products and services**

We use high-quality materials and high-quality products. Each plane and add-ons are always in stock. Delivery is quick.

**Your security is in focus**

To protect parts and hardware, we integrate useful features to operate safely at low altitude, during flight, and when landing. Simple tasks such as hardware purchase and easy repair can be done on your own.

**Where to buy**

You can purchase MAVinci products all over the world. Training is included to learn about SIRIUS UAV in detail. Please contact your nearest distributor.

**Contact**

MAVinci GmbH
Forststraße 4
48795 Luen-Lorrach
Germany

phone: +49 (0)3422-439 964
fax: +49 (0)3422-294 3707
email: contact@mavinci.de

September 2015
Disclaimer: Subject to change without notice

www.mavinci.de
SIRIUS UAS – Surveying can be that simple

For surveying and mapping professional SIRIUS UAS is the ideal solution to get the most out of your assignment in the minimum amount of time. SIRIUS UAS is designed to be used in construction projects, disaster relief, search & rescue, quizzes or other difficult and dangerous areas.

Start with BASIC and upgrade to PRO
There are three types of SIRIUS UAS. Use the BASIC version for simple surveying projects in controlled areas. You can easily upgrade to PRO at any time to access all features without the need for additional hardware. If there is no easy way to set ground control points, PRO is the solution. There is also a career-edition version for customers who do not need any special features. SIRIUS CLASSIC uses a normal GNSS input system and cannot be upgraded.

PRO version – Simply accurate
You will get the most accurate data even in inaccessible regions. There is no need to set ground control points anymore. The integrated Tiffen RTK technology and MAVinci precision timing tool provides millimeter accuracy, which results in an accurate position of the image taken during flight. Even when captured in difficult flighs or by other cannal images will overlap correctly.

www.mavinci.de

How to work with SIRIUS UAS and profit at each stage

1. Plan your mission at home or right in the field
We know how important it is for your business to plan accurately and how much time you have to spend beforehand. MAVinci Desktop enables you to plan your flight easily and quickly offline or in the final just before take-off. Select the desired area and set the required ground sample distance. The software will output an optimized plan taking into account features and mountain areas, flight time and legal air space.

If more than one flight is needed to cover the whole area, the flight plan automatically splits up times and merges them again for post-processing.

2. Save times and start right away
With SIRIUS PRO UAS there is no need to set ground control points before a flight to get highly accurate data. Thanks to the MAVinci Precision Timing technology combined with a Tiffen RTK solution, the quality of your data is more accurate than having ground control points without RTK. The flight plan is transferred wirelessly to the SIRIUS. Let’s start and take off safely with a simple hand launch.

3. Edit your mission whenever you want or have to
All relevant flight parameters can be modified on-the-fly. MAVinci Desktop enables you to enter flight parameter warnings such as a low battery level. While the autopilot continues the flight, you can follow or change the flight plan, send a new flight plan wirelessly, or control the flight manually at any time during the flight.

Did you know? In some countries it is not permitted to fly unmanned aerial systems without having the possibility of manual control via a remote control.

4. Make the quality check-on-site and verify your data
Ensure that you have the correct data and that you did not miss anything before you go home. MAVinci Desktop enables you to verify your data in the field and check the quality first, for example, it maps overlap correctly.

5. Ready for post-processing
MAVinci Desktop integrates fully automatic and stand-alone processing software to generate 3D and digital surface models. You can measure distances and volumes due to high-resolution 3D models.

6. Choose between automatic or assisted
Landing for a more precise touch-down
The UAV is controlled fully automatically during the whole flight on the landing. Nevertheless there are some situations like difficult ground surfaces which make it necessary to interfere manually. MAVinci Desktop by the autopilot to keep the UAV stabilized, you can touch down precisely with a simple navigation.

Did you know? We are happy to offer teamfleeting training for Agisoft Photoscan.

7. Turn complex data into insights
The Virtual Surveyor tool quickly exports 3D models and orthomosaics. In virtual environments, flights and times can now be easily selected or scenes to best describes topography. It is possible to calculate volumes in minutes. Visualize your project and take your audience on a walk through.

www.mavinci.de

ACCURATE, SIMPLE, EFFICIENT.