



Multicopter for professional use



Endurance and Strength combined



ScaraBot is an extremely lightweight and versatile long endurance multirotor with an innovative Li-Ion-battery system.

Because of the patented streamlined propeller arms – the FreeFlow Arms – the ScaraBot is **9% more efficient** than comparable copters. Furthermore the free flow arms decrease noise emission and vertical vibrations.

As a result ScaraBot has a flight time up to **60 minutes** and a payload up to **2.4kg**. By it's compact dimensions of 545 x 545 x 402 mm the ScaraBot is easy to transport.



Largest selection of sensors

ScaraBot leaves room for your ideas. With ScaraBot you have the choice which sensors you bring into the air – even if your requirements will change.

We offer a comprehensive selection of photo, video, infrared and multispectral sensors. Also special dropping appliances or gas chromatographs are part of our portfolio.

Through our long experience in the integration of sensors, we can certainly offer a solution for your individual requirement.



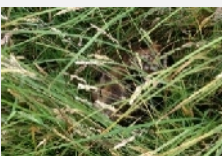
Search & Rescue



Fire Fighting



Inspection



Agriculture

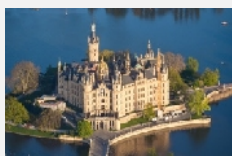
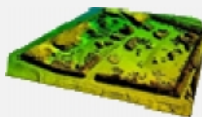


Photo & Video



Surveying

Wide range of usage

ScaraBots endurance and versatility make it a professional tool in various industries.

All sensors can be replaced within minutes on the airfield.



TECHNICAL DATA

AIRCRAFT	ScaraBot X8 Evo	ScaraBot X4 Evo
Motors	8 x brushless	4 x brushless
Side Arms	Aerodynamic optimized carbon FreeFlow Arms	Aerodynamic optimized carbon FreeFlow Arms
Max. Take Off Weight	5000g (opt. 7000g as Heavy Lift Edition)	5000g
Empty Weight:	2150g	1950g
Dimensions	W 620 x D 620 x H 402 mm	W 620 x D 620 x H 402 mm
Battery	22,2 V, 6S Li-Ion, 15Ah, 20Ah or 24Ah	22,2 V, 6S Li-Ion, 15Ah, 20Ah or 24Ah
Flight Control	Pixhawk (others on request)	Pixhawk (others on request)

FLIGHT	ScaraBot X8 Evo	ScaraBot X4 Evo
Max Ascent Speed	4 m/s (electronically limited)	4 m/s (electronically limited)
Flight Duration		
200g payload	60 minutes	63 minutes
500g payload	50 minutes	52 minutes
2400g payload	24 minutes (as Heavy Lift Edition)	25 minutes
Max Speed	16 m/s	16 m/s
Max Wind Speed Resistance	11 m/s	11 m/s
Flight Radius		
Remote Controlled	3000m	3000m
Waypoint	16 miles	16 miles
Operating Temperature Range	-10 bis 40 °C	-10 bis 40 °C

OPTIONS	ScaraBot X8 Evo	ScaraBot X4 Evo
Axial distance	From 570mm to 500mm decreased distance for more compact design	
Heavy Lift Edition	More powerful motors for payload up to 2400g	

SCOPE OF DELIVERY	ScaraBot X8 Evo	ScaraBot X4 Evo
Multicopter	ScaraBot X8 EVO	ScaraBot X4 EVO
Remote Control	FrSky Horus X12S incl. LiveView Monitor (others on request)	FrSky Horus X12S incl. LiveView Monitor (others on request)
Software	Q Ground Control (others on request)	Q Ground Control (others on request)
Battery	22,2 V, 6S Li-Ion, 15 Ah	22,2 V, 6S Li-Ion, 15 Ah

PRICE LIST

MULTICOPTER

ScaraBot X8 EVO	8.990 EUR	<ul style="list-style-type: none"> • Octocopter with PixHawk Control and FreeFlow Arms • Remote Control FrSky Horus X12S • 7" Live View Monitor • Li-Ion Accu 6S 15 Ah • Battery Charger • 3h training in Regenstauf / Germany
ScaraBot X4 EVO	8.290 EUR	<ul style="list-style-type: none"> • Quadcopter with PixHawk Control and FreeFlow Arms • Remote Control FrSky Horus X12S • 7" Live View Monitor • Li-Ion Accu 6S 15 Ah • Battery Charger • 3h training in Regenstauf / Germany

BATTERIES

Battery 15 Ah	490 EUR	Power-Li-Ion-Battery 6s 15 Ah, usable for ScaraBot only, maximum current 60A
Battery 21 Ah	550 EUR	Endurance-Li-Ion-Battery 6s 21 Ah, usable for ScaraBot only, maximum current 60A
Battery 24 Ah	590 EUR	Endurance-Li-Ion-Battery 6s 24 Ah, usable for ScaraBot only, maximum current 60A
Industrial Charger	380 EUR	Charger from Mascott with 10A charging current for optimal and 30% faster loading

GIMBALS

LG2-650	1.250 EUR	2-Axis-Brushless Gimbal (weight 450g) for cameras up to 650g
BLG2-650 Kombi	1.390 EUR	2-Axis-Brushless Kombigimbal (weight 460g) for Optris PI 450 Lightweight and GoPro Hero
BLG2-350 Kombi	1.190 EUR	2-Axis-Brushless Combined Gimbal (weight 385g) for FLIR TAU/VUE Models and FPV-Cameras
BLG3-650	1.390 EUR	3-Axis-Brushless Gimbal (weight 530g) for Zoom-Cameras up to 650g
BLG3-350	on request	3-Axis-Brushless Gimbal for Zoom-Cameras up to 350g

ENHANCEMENTS

Ground Relation Package	490 EUR	<p>Package consist of Flowcam, USM, IR-Rangefinder which allows the following features:</p> <ul style="list-style-type: none"> • Flight with constant distance over ground with infrared distance measurement • Position Hold without GPS for indoor and outdoor with texture recognition
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REMOTE CONTROL

JETI DC-16	490 EUR	Upgrade to remote control JETI DC-16
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PRICE LIST

TRANSPORT

Comfort Case 570	380 EUR	Wooden transport case for ScaraBots with 570mm Axis distance, external dimensions 670 x 670 x 430mm
Comfort Case 500	360 EUR	Wooden transport case for ScaraBots with 500mm Axis distance, external dimensions 600 x 600 x 430mm

PHOTO & VIDEO

Gopro Hero 3+ black	690 EUR	Action Cam for 4K video and photo with 12MP incl. Conversion to 60° lens for adaption of the picture angle to Optris Wiris
Amimon Connex Prosght	530 EUR	FPV Kamera with HD video transmission incl. Mounting kit for BLG2/3-350

INFRARED

FLIR VUE 336	1.512 EUR	Thermal imaging camera (weight 90g) with a resolution of 336x256 without recorder
FLIR VUE 640	3.090 EUR	Thermal imaging camera (weight 90g) with a resolution of 640x512 without recorder
FLIR VUE PRO 336	2.184 EUR	Thermal imaging camera (weight 95g) with a resolution of 336x256 with recorder
FLIR VUE PRO 640	3.697 EUR	Thermal imaging camera (weight 95g) with a resolution of 640x512 with recorder
FLIR VUE PRO R 336	2.940 EUR	Thermal imaging camera (weight 95g) with a resolution of 336x256 with recorder and radiometric data
FLIR VUE PRO R 640	4.453 EUR	Thermal imaging camera (weight 95g) with a resolution of 640x512 with recorder and radiometric data
Optris PI 400 LightWeight	3.950 EUR	Thermal imaging camera (weight 380g) for radiometric IR-videos and images with 62° x 49° lens, 382x288 Pixel / 80 Hz / 80 mK
Optris PI 450 LightWeight	5.790 EUR	Thermal imaging camera (weight 380g) für Radiometrische IR-videos and images with 62° x 49° lens, 382x288 Pixel / 80 Hz / 40 mK
Optris PI 640 LightWeight	7.750 EUR	Thermal imaging camera (weight 380g) for radiometric IR-Videos und - Bilder mit 60° x 45° Objektiv, 640x480 Pixel / 32 Hz / 75 mK
Workswell Wiris 336	6.995 EUR	Thermal imaging camera with DUAL view live video, 336x256 Pixel
Workswell Wiris 640	9.995 EUR	Thermal imaging camera with DUAL view live video, 640x512 Pixel

MULTISPECTRAL

Micasense Sequoia	2.990 EUR	Multispectral camera (weight 107g) mit 16 Mpx RGB
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SERVICE

Integration Customer Camera	390 EUR	Integration of customer camera (settings and electronic control for remote trigger and zoom)
Customization	69 EUR	1 working hour for individual adaptions




CONTACT

WE ARE LOOKING FORWARD TO HEAR FROM YOU!

 **Managing Director**
Robert Schmidkonz

 www.scarabot.de
 info@pixelflieger.de
 +49 9402 / 780972
 +49 9402 / 780905

 Pixelflieger.de UG
Asinger Weg 8
93128 Regenstauf
Germany