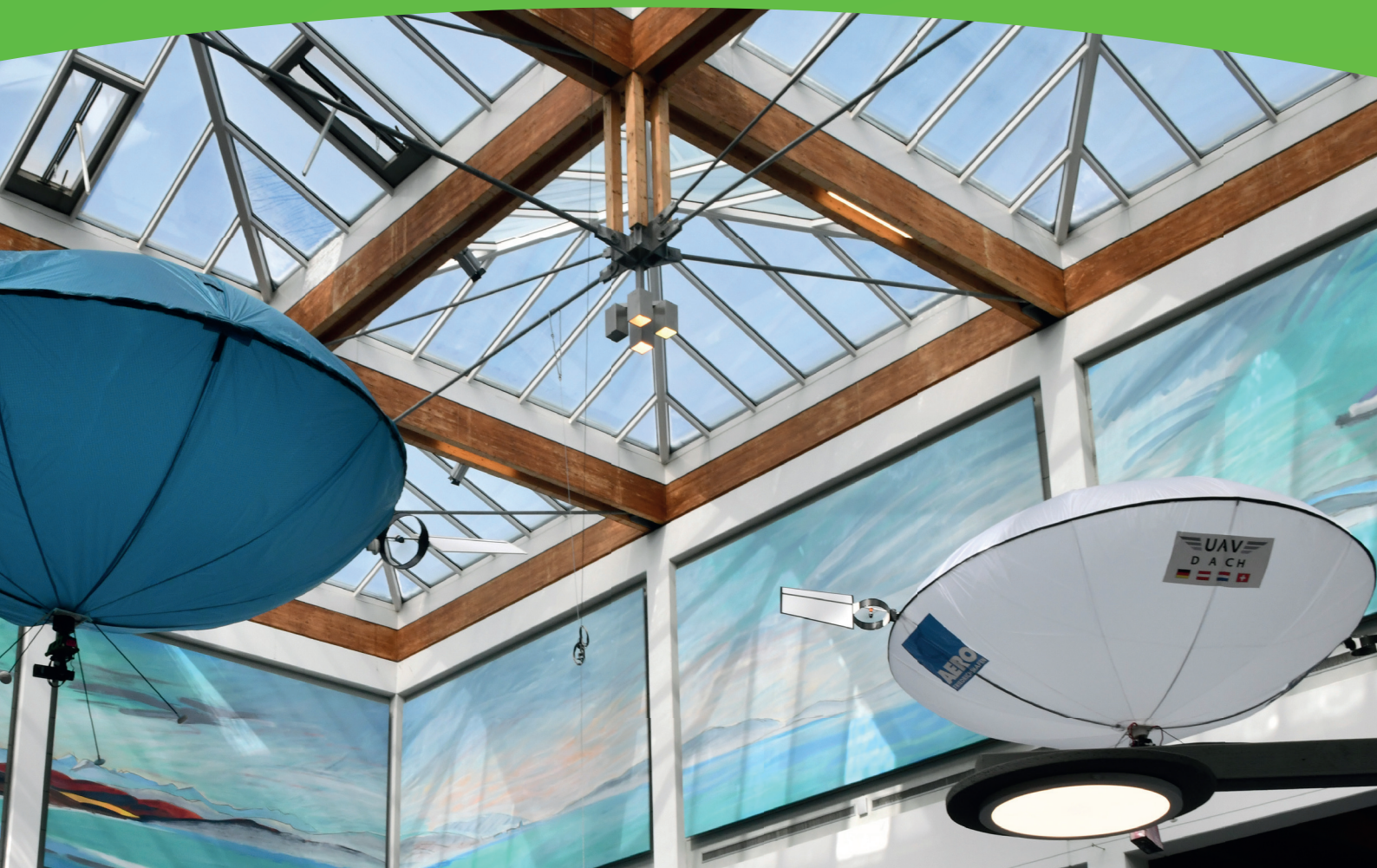


h-aero®



FLYING PROMOTION

Innovative. Emotional. Sensational.



h-aero®

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h-aero® opens up completely new opportunities



h-aero® is an innovative novelty. For the first time it's possible to make aerial photography over the heads of the audience – complete safe and without disturbing noises. Due to its high agility, h-aero® can also be easily controlled, even in small areas.



Fly over Audience

A safety report according to SORA certifies h-aero® to be a flight system unconsciously applicable for flights over crowds. Therefore completely new applications rise up over major events. The quiet and safe flight behavior also ensures a high sympathy and acceptance level by the audience. For the first time you can combine aerial photography with event and online marketing in real-time. Delight your audience from the third dimension.



Angelcam

h-aero® enables almost noiseless and high-quality aerial photography - for the first time also directly over audience.

- Lossless 4K RAW video in Hollywood quality
- Recording at 4096 x 2160 or 1920x1080
- 16MP photography
- 12.8 Aperture Dynamic range
- Full controllable 3-Axe-Gimbal
- Customized camera systems – ask for more!



Broadcasting

With the h-aero® flight systems live and almost latency free moving pictures can be transmitted.

- Professional HD video transmission
- Real-time 1080p video transmission
- mobile ground receiver unit
- remote control with integrated transmitter
- Dual video stream support
- mini HDMI, HDMI, SDI output
- share your livestream over Social-Media



Lightshow

Due to the built-in RGB LED technology h-aero® can shine in a wide variety of colors. Upgrade your event and sponsors to be unforgettable. By request, many choreographies varying in color and track can be flown to enchant your audience by dimmed lights and musical background.



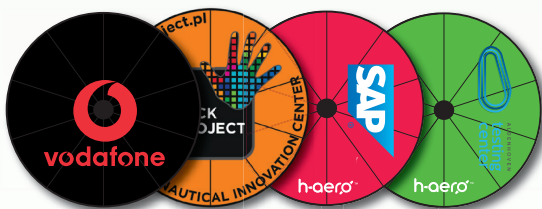
Skyscreen

Nothing stays more in your memory than moving images. Through an on-board LED projector video messages can be projected to the lower hemisphere of h-aero®. Thus, the systems can be considered as superior impressively staged aerial screens.



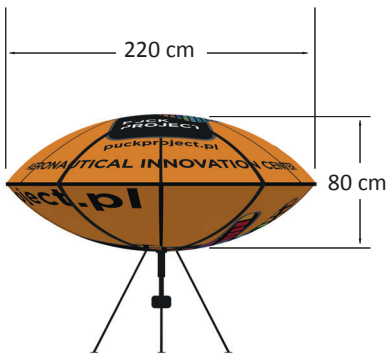
Flying Hotspot

h-aero® provides wireless internet hotspots and via an integrated web server various digital marketing contents can be made available to the audience. This enlarges your reach, while you sustainably save up paper and chemicals for your expensive event marketing. Your sponsors will love this choice!



Customize it

h-aero® can be customized according to customer requirements. Hoover your company logo big over the scene and inform your audience with individual brandings. Up to 16m² advertising space can be designed exactly how you desire.



Exploration /
Communication /
Observation

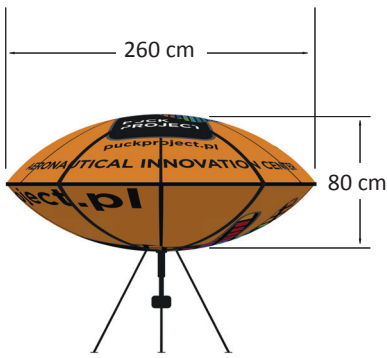
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TECHNICAL DATASHEET

h-aero[®] zero

Description	Value	Unit
Wingspan	3.0	m
Length	2.2	m
He-Volume (max.)	2.0*	m ³
Takeoff Weight (max.)	200	gm
Cruise Speed	15.0	km/hr
Wind Resistance	10.0	km/hr
Payload Capacity (PL)	400	gm
PV Cells	coming soon	
Mass of PV-Cells	coming soon	
Battery (LiPo) up to	80.0	Wh
max. Mass of LiPo	450	gm
Engines (max.)	2 x 75	W
Engines (mean)	2 x 20	W
Endurance (max.)	5	hr
Altitude (max., PL 50 gm)	2	km
Altitude (max., PL 200 gm)	1	km
Altitude (max., PL 400 gm)	sea level	
Communication Range up to	20.0	km
Area Coverage up to	5.0	km ²
Communication	Radio Modem, 3G, 4G, LTE	
Localization Technology	GPS, inertial sensors, other	

*All values are given at International Standard Atmosphere (ISA)
The construction value is 2.0 m3, as the hull can stretch the real volume is higher*



Exploration /
Communication /
Observation

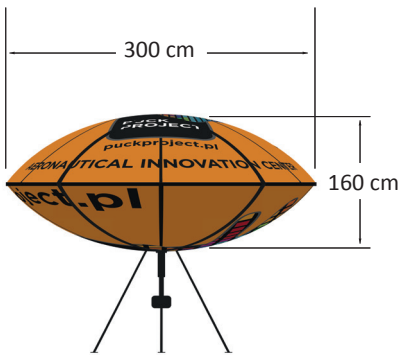
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TECHNICAL DATASHEET

h-aero® zero+

Description	Value	Unit
Wingspan	3.4	m
Length	2.6	m
He-Volume (max.)	2.8*	m ³
Takeoff Weight (max.)	200	gm
Cruise Speed	15.0	km/hr
Wind Resistance	10.0	km/hr
Payload Capacity (PL)	1000	gm
PV Cells	coming soon	
Mass of PV-Cells	coming soon	
Battery (LiPo) up to	80.0	Wh
max. Mass of LiPo Packs	1200	gm
Engines (max.)	2 x 100	W
Engines (mean)	2 x 20	W
Endurance (max.)	2	hr
Altitude (max., PL 50 gm)	3	km
Altitude (max., PL 500 gm)	1	km
Altitude (max., PL 1000 gm)	sea level	
Communication Range up to	20.0	km
Area Coverage up to	5.0	km ²
Communication	Radio Modem, 3G, 4G, LTE	
Localization Technology	GPS, inertial sensors, other	

*All values are given at International Standard Atmosphere (ISA)
The construction value is 2.8 m³, as the hull can stretch the real volume is higher*



Exploration /
Communication /
Observation

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TECHNICAL DATASHEET

h-aero® one

Description	Value	Unit
Wingspan	5.2	m
Length	3.0	m
He-Volume (max.)	8.5*	m ³
Takeoff Weight (max.)	1000	gm
Cruise Speed	20.0	km/hr
Wind Resistance	20.0	km/hr
Payload Capacity (PL)	3.0	kg
PV Cells max.	3 x 50	
Mass of PV-Cells	2.1	
Battery (LiPo, max.)	6 x 80.0	Wh
Mass of LiPo (max.)	6 x 0.45	kg
Engines (max.)	3 x 200.0	W
Usage (mean)	50.0	W
Endurance without PV (max.)	10	hr
Altitude (max., PL 0.1 kg)	4.0	km
Altitude (max., PL 1.5 kg)	2.0	km
Altitude (max., PL 3.0 kg)	sea level	
Communication Range	20.0	km
Area Coverage	10.0	km ²
Communication	Radio Modem, 3G, 4G, LTE	
Localization Technology	GPS, inertial sensors, other	

*All values are given at International Standard Atmosphere (ISA)
The construction value is 8.5 m³, as the hull can stretch the real volume is higher*