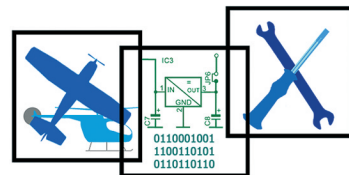
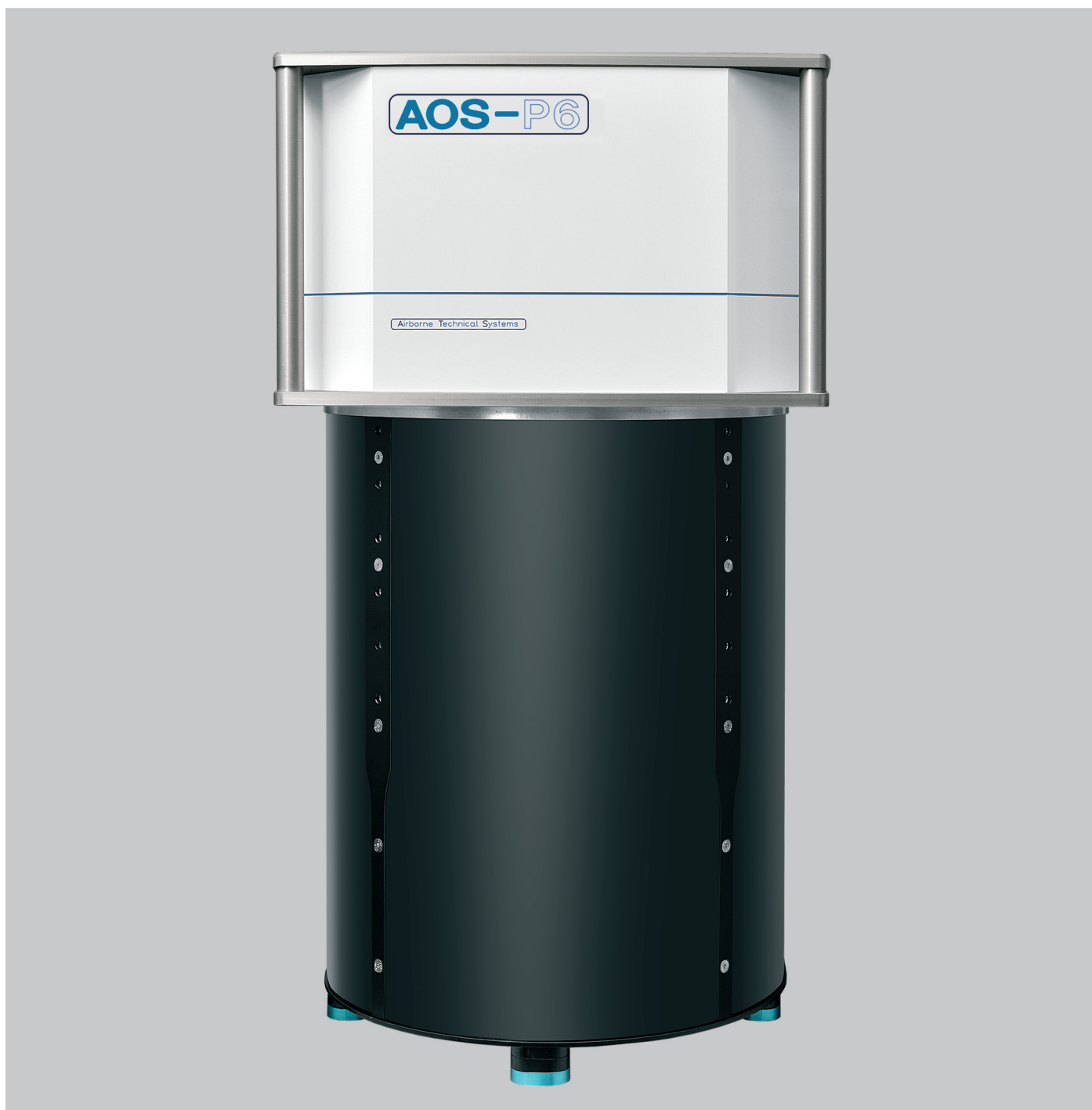


airborne oblique camera systems from
ATS



the best way to your 3D city model

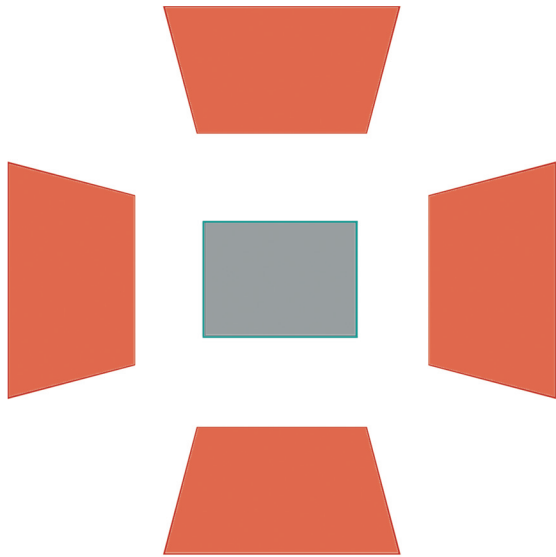
new with six Phase One cameras



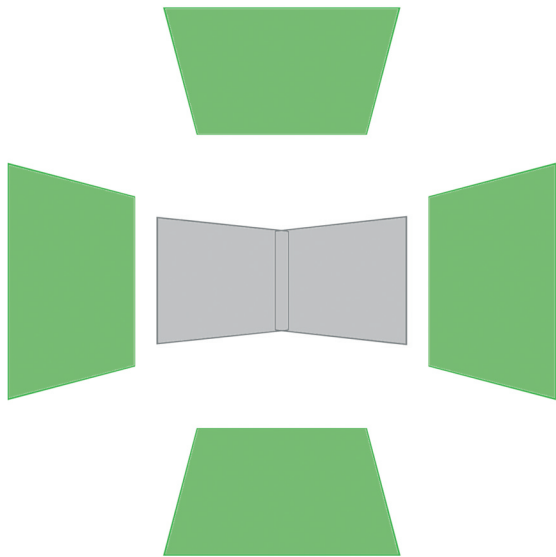
equipped with cameras from
PHASEONE
INDUSTRIAL

Airborne Technical Systems
specialists in the field of airborne remote sensing

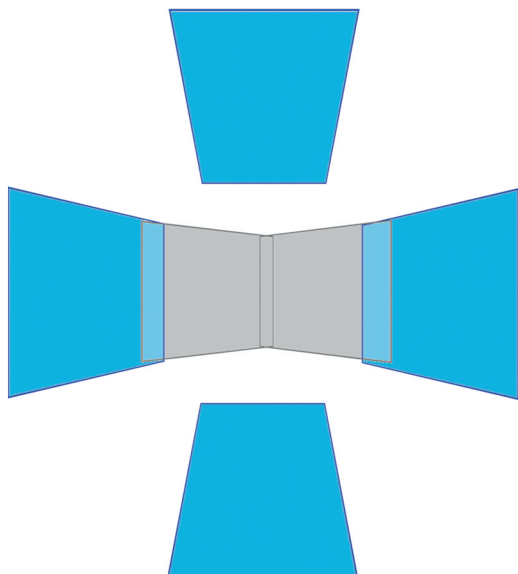
Possible arrangements of the six cameras in the AOS-P6



four Oblique Cameras
and two nadir cameras.
RGB and NIR/CIR



four Oblique Cameras
and two RGB Nadir cameras
with 15% overlap



four Oblique Cameras
in portrait format and two
RGB Nadir cameras the
with two Oblique cameras
a combination with 15%
overlap



AOS-P6 with Phase One iXM-100

complete AOS-P6 system

| | |
|-------------------------------------|-----------------|
| operating voltage | 20 V to 30 V DC |
| duration power consumption | 300 W |
| peak current consumption | 650 W |
| maximum total storage capacity | 5x 4TB SSD |
| maximum storage capacity per camera | 34.000 images |
| frame rate of the full system | 0,5 seconds |
| total weight | 40 Kg |

to be mounted on all platforms with a minimum diameter of 390 mm

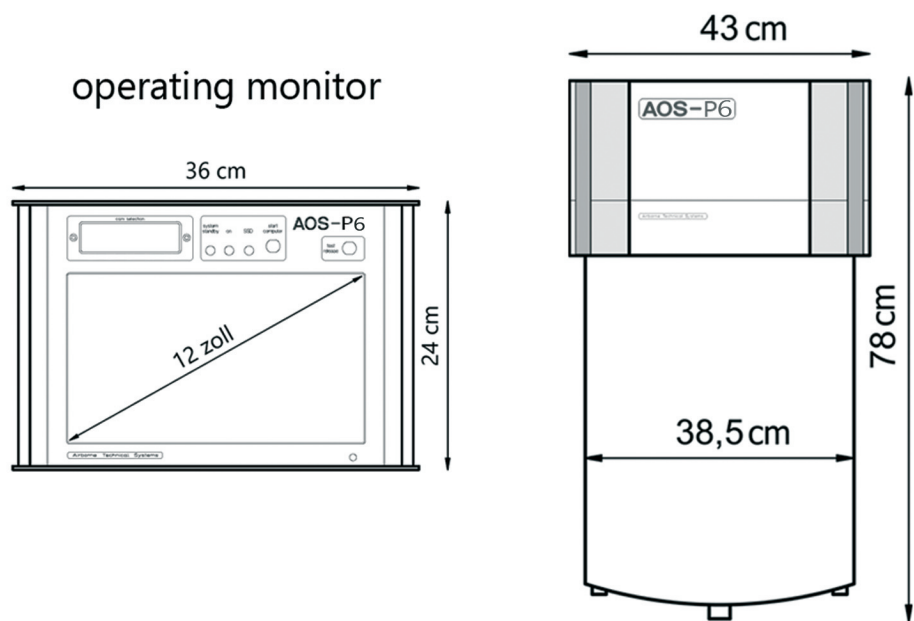
nadir camera RGB or NIR

| | |
|-----------------------------------|--------------------------|
| camera type | Phase One iXM-100 |
| image size | 11.664 x 8.750 pixels |
| physical pixel size | 3,76 µm x 3,76 µm |
| sensor dimensions | 33 x 44 mm |
| sensor type | CMOS RGB 100 mega pixels |
| focal lengths | 80 mm |
| shortest shutter speed | 1/4000 |
| shutter type | central shutter |
| frame rate | 0,33 seconds |
| total field of view, across track | 30,4° |
| total field of view, along track | 23,0° |
| flying height for 10 cm GSD | 2128 m / 6982 ft |

oblique cameras

| | |
|-----------------------------|--------------------------|
| camera type | Phase One iXM-100 |
| image size | 11.664 x 8.750 pixels |
| physical pixel size | 3,76 µm x 3,76 µm |
| sensor dimensions | 33 x 44 mm |
| sensor type | CMOS RGB 100 mega pixels |
| focal lengths | 80 mm |
| shortest shutter speed | 1/4000 |
| shutter type | central shutter |
| frame rate | 0,33 seconds |
| angel of view of long side | 30,4° |
| angel of view of short side | 23,0° |
| tilt angle | 40° to 45° |

Also with six cameras does not change the diameter. The system. The AOS-P6 can be mounted into each platform with one diameter from 390 mm.



AOS-P6 can be used on all platforms with a diameter of 390 mm



The AOS-P5 can be equipped with Phase One iXM 100MP and iXU-RS 1000 cameras

The new iXM 100MP and iXM 50MP are high-productivity metric cameras with a range of specially designed RSM lenses. The cameras deliver superior quality aerial imaging and flexible operation to satisfy diverse mapping, and surveying. The iXM supports super-fast storage capabilities. For more information visit: www.industrial.phaseone.com



The iXU-RS 1000 is a true metric calibrated camera depends on sophisticated engineering and structural integrity of the camera. Each Phase One camera design undergoes rigorous testing for vibrations and temperature ranges. Every camera is subjected to tests for functionality and performance as it goes through the assembly process. All cameras employ mechanisms to solidly lock their lens to the camera body and secure lenses at infinity focus if necessary. Despite the inflight vibrations and sudden movements during takeoff or landing that the camera might be exposed to, the consistency and the rigidity of the camera and lens provide metric data with pinpoint accuracy for mapping and other applications. For more information visit: www.industrial.phaseone.com



Airborne Technical Systems
<http://www.ats-berlin.eu>

Rheinsberger Str. 59 fon: (+49/30) 4432 4295
D-10115 Berlin fax: (+49/30) 4473 7663
Germany email: hp@ats-berlin.eu

With our profound experience in manufacturing airborne systems we are one of the few specialists in this field. We accompany you in each step formulate the demands on an airborne system together. We design only according to your requirements a custom system for remote sensing. Even after installation, we assist you with advice and practical help – abroad. Our references speak for us.

ATS-Berlin a partner of

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