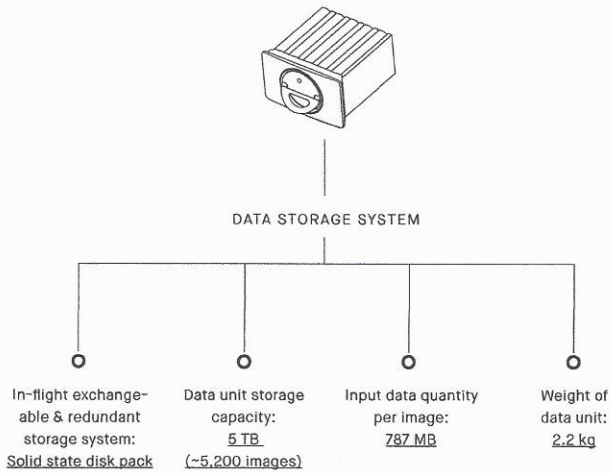


Specifications & details

Technical changes, printing errors, mistakes and amendments reserved.

SENSOR SYSTEM

PAN image size	17,310 x 11,310 pixels	Imaging sensor	CCD
PAN physical pixel size	6.0 μm	Shutter (longlife central leaf)	1/1000 to 1/64
Color capability (multi-spectral)	4 channels - R, G, B & NIR	Forward-motion compensation (FMC)	TDI controlled
Color image size	5,770 x 3,770 pixels	Maximum FMC capacity	50 pixels
Color physical pixel size	6.0 μm	Frame rate (minimum inter-image interval)	1 frame per 1.35 seconds
Pansharpen ratio	1 : 3	Dynamic range	> 72 db
		Analog-to-digital-conversion at	14 bits



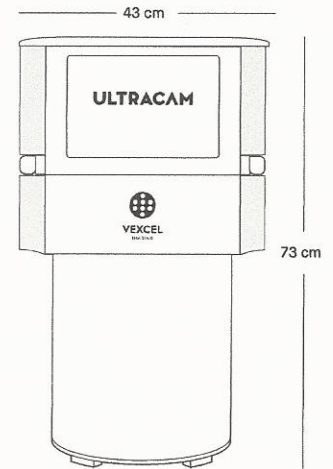
Power consumption: **max. 350 W**



Weight: **61 kg**

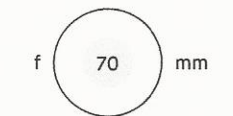


Configuration: **Integrated housing concept¹**

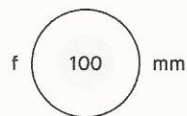


¹ For separated housing concept options please contact our sales team.

LENS SYSTEM



PAN focal length for photogrammetric applications requiring minimal flight altitude.



PAN focal length for photogrammetric applications, balancing flight altitude and footprint under lean restrictions at the image edges.

	f70	f100
PAN lens system focal distance	70 mm	100 mm
PAN lens aperture	f=1/5.6	f=1/5.6
Color (R, G, B & NIR) lens system focal distance	23 mm	33 mm
Color (R, G, B & NIR) lens aperture	f=1/5.6	f=1/4.8
PAN total field of view, across track (along track)	73,1° (51,7°)	54,9° (37,5°)
Flying height for PAN pixel size @ 10 cm GSD	1,167 m	1,667 m

OPERATIONAL SPECIFICATION



Flight altitude: **≤ 7000 m**



Humidity: **5% to 95%**
no condensation



Temperature: **0 °C to +45 °C**
(operation, computer stack)
-20 °C to +45 °C
(operation, sensor stack)
-20 °C to +65 °C (storage)



Mounting: **UltraMount (GSM, 4000 & SteadyTrack LG) and most current third party mounts²**



GNSS/INS/FMS system support: **UltraNav (Applanix POSTrack OEM) and most current third party systems²**



Data processing: **UltraMap, processing suite including data export in standard formats**

² Please contact our sales team for detailed information.