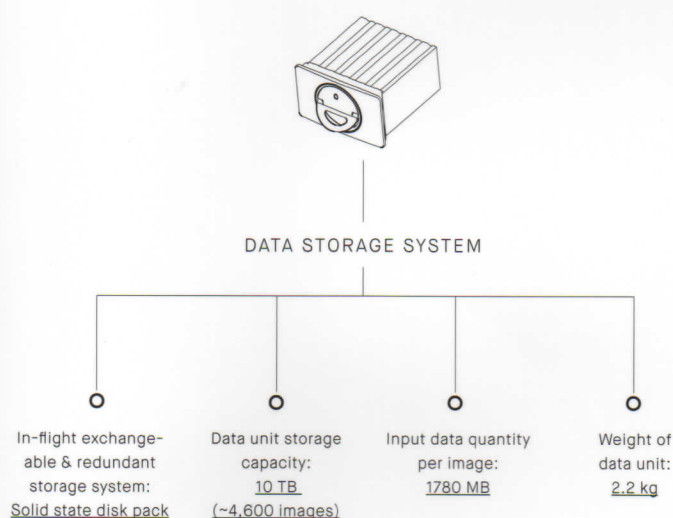


## SENSOR SYSTEM

PAN image size	26,460 x 17,004 pixels
PAN physical pixel size	4.0 $\mu$ m
Color capability (multi-spectral)	4 channels - R, G, B & NIR
Color image size	8,820 x 5,668 pixels
Color physical pixel size	4.0 $\mu$ m
Pansharpen ratio	1 : 3

Imaging sensor	CCD
Shutter (longlife central leaf)	1/1000 to 1/64
Forward-motion compensation (FMC)	TDI controlled
Maximum FMC capacity	50 pixels
Frame rate (minimum inter-image interval)	1 frame per 1.5 seconds
Dynamic range	> 72 db
Analog-to-digital-conversion at	14 bits



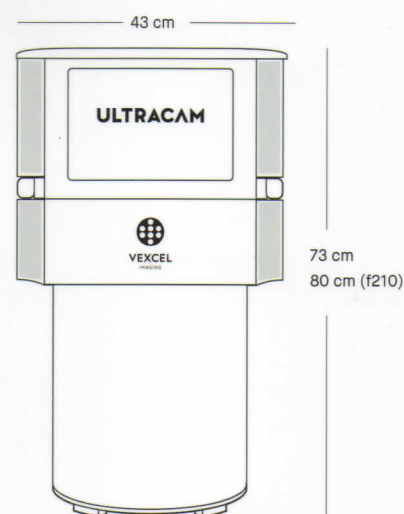
Power consumption:  
max. 400 W



Weight:  
61 kg  
68 kg (f210)



Configuration:  
Integrated housing concept<sup>1</sup>



<sup>1</sup> For separated housing concept options please contact our sales team.

## LENS SYSTEM

	f80	f100	f120	f210
PAN lens system focal length	80 mm	100 mm	120 mm	210 mm
PAN lens aperture	f=1/5.6	f=1/5.6	f=1/5.6	f=1/7.8
Color (R, G, B & NIR) lens system focal length	27 mm	33 mm	40 mm	70 mm
Color (R, G, B & NIR) lens aperture	f=1/4.8	f=1/4.8	f=1/4.8	f=1/5.6
PAN total field of view, across track (along track)	67,0° (46,1°)	55,8° (37,6°)	47,6° (31,6°)	28,3° (18,4°)
Flying height for PAN pixel size @ 10 cm GSD	2,000 m	2,500 m	3,000 m	5,250 m
Footprint for lean restriction of 1 m lean @ 5 m height (across x along)	8,000 x 8,000	10,000 x 10,000	12,000 x 12,000	21,000 x 17,004

## 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, SSM 350L &  
SteadyTrack LG) and  
most current third  
party mounts<sup>2</sup>



GNSS/INS/FMS  
system support:  
UltraNav (Applanix  
POSTrack OEM) and  
most current third  
party systems<sup>2</sup>



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

<sup>2</sup> Please contact our sales team for detailed information.