

Medium Format Stereo/Ortho Camera with NIR

The most versatile photo-grammetric camera. In addition to capturing RGB images for nadir/forward/backward, it captures NIR in the nadir direction.

Best suited for large scale mapping projected including stereo compilation, orthophoto rectification and some remote sensing requirements.

Superior radiometry and high dynamic range.



Specification

Parameter	Value
Number of simultaneous channels (RGB/NIR)	3/1 (nadir)
Active pixels	8000xRGB/NIR
Pixel size, micron	9
Focal distance, mm	100
Field of view (across the strip), degree	39
Angles for backward/forward channels, degree	16/26
Radiometric resolution, bit	42 (14 bit per band)
Dynamic range, db	72
Line rate, Hz	310-745
Power requirements	DC 28V/18A (max)
Weight, kg (net/whole system with platform and PC)	67/220
Dimensions, mm	480 x 528 x 572

Flight modes

GSD	Swath width	Height (AGL)	Maximum speed
cm	m	m	km/h
5.0	400	556	135
7.5	600	833	203
10.0	800	1111	270
12.5	1000	1389	338
15.0	1200	1667	405
17.5	1400	1944	473
20.0	1600	2222	540
22.5	1800	2500	608
25.0	2000	2778	675
27.5	2200	3056	743
30.0	2400	3333	810

GSD	Swath width	Height (AGL)	Maximum speed
inch	ft	ft	knots
2	1333	1852	74
3	2000	2778	111
4	2667	3704	148
5	3333	4630	185
6	4000	5556	222
7	4667	6481	259
8	5333	7407	296
9	6000	8333	333
10	6667	9259	370
11	7333	10185	407
12	8000	11111	444