

Medium Format Stereo/Orthophoto Camera

Ideal solution for large scale stereo mapping and orthophoto production.

Selectable stereo for 3D-mapping with 16°, 26° or 42° convergence angle.

A narrow view angle (36°) across the flight path reduces perspective distortion (building lean).

Contiguous strips, instead of hundreds of small images, ease the orthorectification process .

Brilliant radiometry and the highest dynamic range allows for image capture even under adverse weather conditions.



Specification

Parameter	Value
Number of simultaneous channels (RGB/NIR)	3/-
Active pixels	8000xRGB
Pixel size, micron	9
Focal distance, mm	110
Field of view (across the strip), degree	36
Angles for backward/forward channels, degree	16/26
Radiometric resolution, bit	42 (14 bit per band)
Dynamic range, db	75
Line rate, Hz	250-745
Power requirements	DC 28V/17A (max)
Weight, kg (net/whole system with platform and PC)	42/150
Dimensions, mm	560 x 257 x 419

Flight modes

GSD cm	Swath width m	Height (AGL) m	Maximum speed km/h
5.0	400	611	135
7.5	600	917	203
10.0	800	1222	270
12.5	1000	1528	338
15.0	1200	1833	405
17.5	1400	2139	473
20.0	1600	2444	540
22.5	1800	2750	608
25.0	2000	3056	675
27.5	2200	3361	743
30.0	2400	3667	810

GSD inch	Swath width ft	Height (AGL) ft	Maximum speed knots
2	1333	2037	74
3	2000	3056	111
4	2667	4074	148
5	3333	5093	185
6	4000	6111	222
7	4667	7130	259
8	5333	8148	296
9	6000	9167	333
10	6667	10185	370
11	7333	11204	407
12	8000	12222	444