

Comparison table of technical parameters for DAS cameras

Parameter / Camera model	Units	1-DAS-1	3-DAS-1	3-DAS-2	4-DAS-1	3-OC-1	6-OC-1
Quantity of color RGB modules (camera channels)	pcs	1 (nadir)	3 (nadir, forward вида, backward вида)	6 (double nadir, double forward, double backward)	3 (nadir, forward, backward)	3 (nadir, forward, backward)	5 (nadir, forward, backward, left and right)
Quantity of infrared (NIR) modules (camera channels)	pcs	-	-	-	1 (nadir)	-	1 (nadir)
Typical flight height	m	550 - 5500	550 - 5500	500 - 5000	400-4000	400-4000	400-4000
Swath width on the ground (for nadir channel)	m	360-3600	360 - 3600	900 - 9000	360 - 3600	360 - 3600	360 - 3600
Flight speed	km/h	110 - 400	110 - 400	110 - 400	110 - 400	110 - 400	110 - 400
Resolution on the ground (GSD) for nadir channel	cm	4,5-45	4,5-45	6-60	4,5-45	4,5-45	4,5-45
Quantity of image bands	pcs	1 (1x3)	9 (3x3)	18 (3x2x3)	12 (4x3)	9 (3x3)	18 (6x3)
Radiometric resolution (per band)	bit	14	14	14	14	14	14
Dynamic range	dB	75	75	70	72	72	72
Exposition time	ms	1,4-4	1,4-4	1,6-4,8	1,4-4	1,4-4	1,6-4,8
Focal distance for nadir module	mm	110*	110*	80*	80*	80	80
Focal distance for NIR module	mm	-	-	-	80*	-	80
Focal distance for forward and backward modules	mm	-	110*	80*	80*	110	120
Focal distance for side view (left and right) modules	mm	-	-	-	-	-	180
Angular field of view (across the swath) for nadir	degree	36	36	84	48	48	48
Inclination angle between nadir and forward modules (along)	degree	-	26	26	26	45	45
Inclination angle between nadir and backward modules (along)	degree	-	16	16	16	45	45
Inclination angle between nadir and side view modules (across)	degree	-	-	20,5	-	-	45
Dimensions	mm	270x254x388	D528x470x563/768	D528x470x637/723	D528x470x610/815	D528x470x470/800	D528x470x-/-
Weight	kg	12	59	68	65	70	~85

* Optional lens with different focal distance are available on special order.