

## Aerial Digital Camera:

Universal Mapping



**3-DAS-2**

Large Format Stereo/Orthophoto Camera

Large Scale NIR Mapping



**4-DAS-1**

Medium Format Stereo/Ortho Camera with NIR

3D Modeling



**3-OC-1**

Medium Format Oblique Camera

Emergency Services



**1-DAS-1**

Medium Format Orthophoto Camera

Orthophoto Mapping

### Parameter Values

Parameters	3-DAS-2	4-DAS-1	3-OC-1	1-DAS-1
Number of simultaneous channels (RGB/NIR)	3/-	3/1 (nadir)	3/-	1/-
Active pixels	15960xRGB	8000xRGB/NIR	8000xRGB	8000xRGB
Pixel size, micron	9	9	9	9
Focal distance,mm	123.2	100	80(nadir)/110/110	110
Field of view (across the strip), degree	60	39	48 (nadir)/36/36	36
Angles for backward/forward channels, degree	16/26	16/26	45/45	-
Radiometric resolution (bit per band)	42 (14)	42 (14)	42 (14)	42 (14)
Dynamic range, db	58	72	73	73
Line rate, Hz	210-745	310-745	250-745	250-745
Power requirements (max)	DC 28V/20A	DC 28V/18A	DC 28V/17A	DC 28V/17A
Weight, kg (net/whole system with platform and PC)	67/220	67/220	57/210	12/100
Dimensions, mm	480x528x504	480x528x572	465x460x528	270x254x388

A universal camera suited for medium or small scale mapping projects. Allows you to cover large areas with a minimum of flight lines – has a wider swath than conventional film cameras. Selectable stereo for 3D-mapping with 16°, 26° or 42° convergence angle.

The most versatile photogrammetric 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.

RGB at 0 (nadir) and 45° (backward/forward). Special camera to obtain near true ortho and wall building textures simultaneously. Can be used for orthophoto, mapping, DSM and 3D-modelling

The most automatic and cost effective solution for orthophoto. Camera and LIDAR are mounted together to share the same GPS/IMU. Camera captures near true ortho image at the same time as LIDAR captures DEM. That is, a narrow view angle across the flight path (36°) reduces perspective distortion.