Pushbroom Aerial Cameras
DAS Family of Pushbroom Cameras

For All Your Needs: Orthophoto, 3D-Mapping, Remote Sensing

4-DAS-1
3-RGB (0°/16°/26°)
1-NIR (0°)

3-DAS-2
Double Swath 3-RGB (0°/16°/26°) inclined across at 20°

1-DAS-1
1-RGB (0°)

6-DAS-1
3-RGB (0°/16°/26°)
1-NIR (0°)
2-RGB Oblique Views at 45°
Backward/Forward
Pushbroom Advantages

True Color On Every Angle View
Pushbroom Advantages

Triple Overlap For Every Ground Object

Backward view  Nadir view  Forward view

Stereo models with adjustable convergence
Pushbroom Advantages

Near True Ortho in Nadir View
Pushbroom Advantages

Continuous Imagery Rather Than Hundreds of Frames
4-DAS-1

Stereo/Ortho Camera with Near Infrared

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

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

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

Superior radiometry with 14 bits per band.
**3-DAS-2**

Double Wide Swath – Stereo/Ortho Camera

16000 pixels across track

RGB Views at 16°, 26° or 42° inclined across track at 20°

Continuous, seamless flight strip images in true RGB color.

Robust/stable design supported by components made from invar steel.
6-DAS-1 – Stereo & Oblique

RGB Views at 45° Backward/Forward
RGB/NIR Views 0°
RGB Views 16° and 26°

Capture all views simultaneously for near true ortho and wall building textures. Generate photorealistic city models.

Public Solutions:

- Emergency Management
- Public Safety – 911
- Planning – Law Enforcement
- GIS Integration
Photorealistic City Models
Garage
Continuous Oblique Mosaic
ASP-4

Automatic Stabilizing Platform

Uses IMU data for stabilization
Automatic crab angle compensation
3 Independent servo drives

Stabilization Range:
$\omega \pm 6^\circ$ (pitch)
$\phi \pm 6^\circ$ (roll)
$\kappa \pm 30^\circ$ (yaw)

Accuracy:
$\pm 0.2^\circ$ pitch/roll
$\pm 0.4^\circ$ yaw
Adapters For Existing Platforms

Leica PAV-30

Zeiss T-AS