

ADAM Technology ORTHO System 2

One step Orthophoto scanning
and rectification

ORTHO System 2 now available
for all ADAM PROMAP Systems

The most cost-
effective way to
create Orthophotos

- Cost-effective ortho photo production
- Ortho rectification during scanning in one operation
- High speed scanning
- Optical scan pixel size adjustable by the operator between 8 μm and 25 μm

- New Ortho V2.0 Software with:
 - Improved image capture quality
 - "Dust removing" Calibration Software
 - Improved Productivity

ADAM
PROMAP
ORTHO System 2

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The ADAM ORTHO System 2 is a precision photogrammetric scanner and orthophoto rectification system that can be installed in any ADAM Technology PROMAP.



The ORTHO System 2 is unique in that the scanning and orthophoto rectification is done in a single step. Only the final ortho image is ever stored! There is no need to scan and store all the intermediate image files that a softcopy system would require.

However, if you do need to produce digital images for a softcopy system, the ORTHO System 2 is more than capable. The optical pixel size can easily be set to any value between 8 and 25 microns within minutes, and the software can also resample to any pixel size you require.

Improved functionality ensures that the ORTHO System 2 meets the needs of a mapping organisation looking to maximise productivity.

The ORTHO System 2 is an Analytical Stereoplotter, Photogrammetric Scanner, and Orthophoto Generator in the one instrument. This combines the best of both worlds – orthophoto generation and the no-compromise data capturing abilities that only a high-quality analytical stereoplotter can provide.

The integration of analytical stereoplotter and orthophoto “machine” ensures that only minimal operator training is required.

With the ORTHO System 2 you maintain control over your work-flow and over the quality of your work. On the one instrument you can easily and efficiently produce DTMs from the original diapositives and then scan and create the orthorectified images within minutes, at the pixel size you desire.

Scanning times:

25 μ m model scan in under 3 minutes.
15 μ m model scan in under 10 minutes.
(Pentium III 533Mhz)

Improvements

ORTHO System 2 is three to four times faster than the original ORTHO System. The increases in speed of scanning and ortho creation are due to:

- New LCD colour filter with no moving parts
- Variable optical pixel size allowing you to select the optimal balance between speed and quality
- Software optimisations

ORTHO System 2 also features intelligent dust detection and removal techniques during calibration and higher quality images than the original ORTHO System.



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Company

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