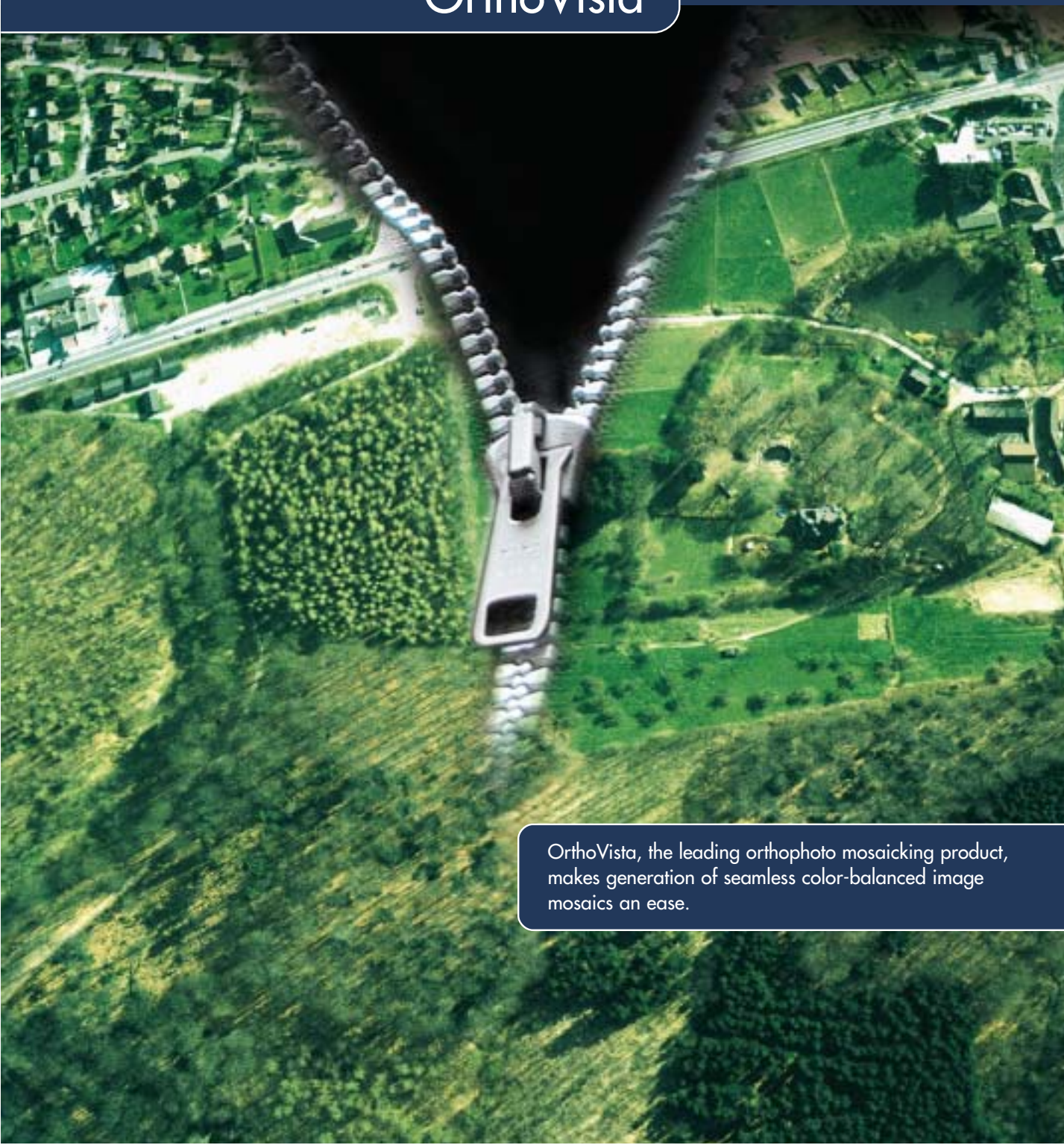
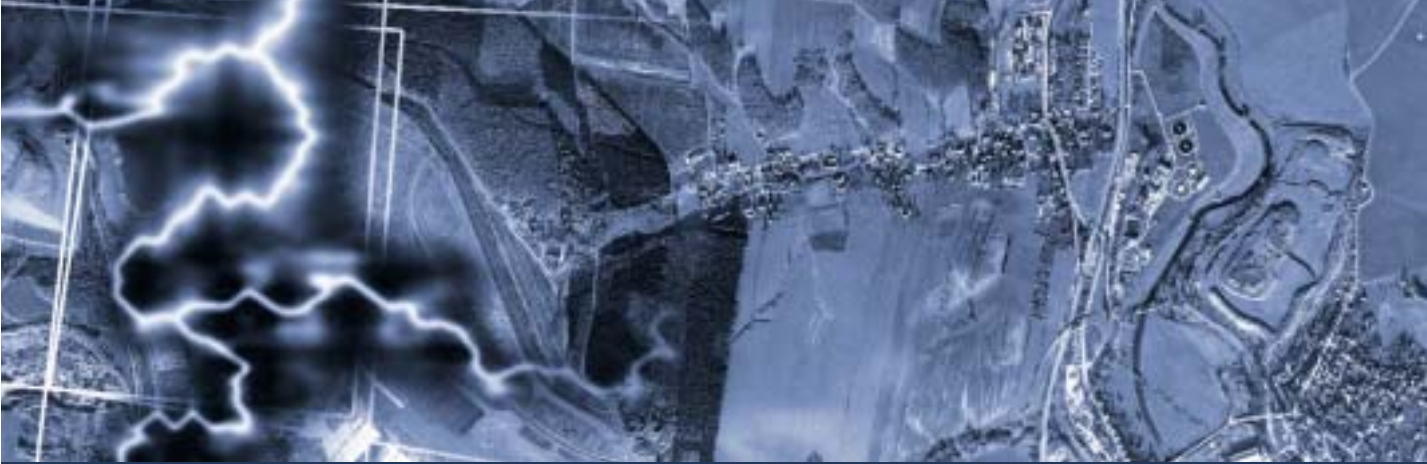


A close-up photograph of a human eye, showing the iris and pupil, looking directly at the viewer.

OrthoVista



OrthoVista, the leading orthophoto mosaicking product, makes generation of seamless color-balanced image mosaics an ease.



"...We have only recently purchased OrthoVista, but we are so impressed, that we already use it for all our mosaicking jobs..."

Dept. of Land Information
Government of Western Australia

Bringing it all together – no patchwork, but seamless, homogeneous mosaics.

OrthoVista is the most powerful professional mosaicking product in use world-wide. It utilizes advanced image processing techniques to automatically adjust and combine orthophotos from any source into one single seamless, color-balanced mosaic. OrthoVista improves the efficiency, quality and profitability of digital orthophoto mosaic production. OrthoVista is part of inpho's digital photogrammetric system.

OrthoVista automatically compensates for a wide range of image intensity and color variations originating from the imaging process. **OrthoVista** computes radiometric adjustments that compensate for visual effects within individual images, such as hot spots, lens vignetting and color variations.

Further, **OrthoVista** performs a block-wide color balancing by adjusting adjacent images to match in color and brightness. Multiple orthophotos are combined into one seamless, color balanced and geometrically perfect orthomosaic.

OrthoVista and OrthoMaster are bundled in Ortho Box offering unique performance.

Image Capture

Aerial Triangulation

Data Capture

Terrain Modeling

Orthophoto Processing





OrthoVista plays a leading role in automatic radiometric image adjustment and automatic seam detection

Features

- Handles orthophotos from any source.
- Powerful intra-image tools for automatic:
 - Reduction of lens vignetting effects
 - Reduction of hot spot effects
 - Reduction of radiometric variations
- Powerful inter-image tools for automatic:
 - Block-wide balancing of color & brightness (individual image characteristics preserved)
- Interactive editing of radiometric parameters:
 - Adjustment of intensity and contrast
 - Adjustment of color and color saturation
- Versatile seam line functionality:
 - Fully automatic seam line detection
 - Interactive seam line definition & editing
- Automatic feathering functionality:
 - Automatic adaptive width of the seam line
 - Narrow seam in "urban canyons"
 - Wide seam in open terrain
- Automatic tiling of the mosaic:
 - Mosaic is cut into map sheets
- Flexible processing procedure:
 - Processing steps done independently
 - Processing steps combined with each other
- Excellent processing capacity:
 - Handles very large orthophoto blocks
- Support for multi-channel imagery.
- Input georeference formats:
 - GeoTIFF, TiffWorld (tfw)
 - ER Mapper ERS, Zeiss inp, Vision RPT

Image formats:

- TIFF, TIFF JPEG
- With 8-12-16 bit,
- Multi-channel imagery supported
- BIP, BIL, BSQ

Support for batch processing.

Unique true-ortho functionality in combination with inpho's OrthoMaster product.

Options

- OrthoVista SE
- Seam editor for interactive mosaic editing and manual seamline definition, is also available as stand-alone tool.

Benefits

- Increases the efficiency, profitability and quality of digital image mosaic production.
- Improves the quality, utility and value of your digital imagery.
- Maximizes production profitability with fully automated workflow.
- No extensive training required by employing easy-to-use software.
- Easy integration into any third-party workflow.

Recommendation

- High-end PC or UNIX workstation
- 1 Gbyte RAM or more
- High capacity disk system
- Windows XP/2000, Linux, SGI IRIX 6.5 or SUN Solaris 2.7

OrthoVista is a joint trademark of inpho GmbH and Stellacore Corporation. All other brands and product names are trademarks of their respective owners.



Flexible output tile definition.



Radiometric: pre-editing intensity, contrast, saturation and color.

Image Capture

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Data Capture

Terrain Modeling

Orthophoto Processing

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