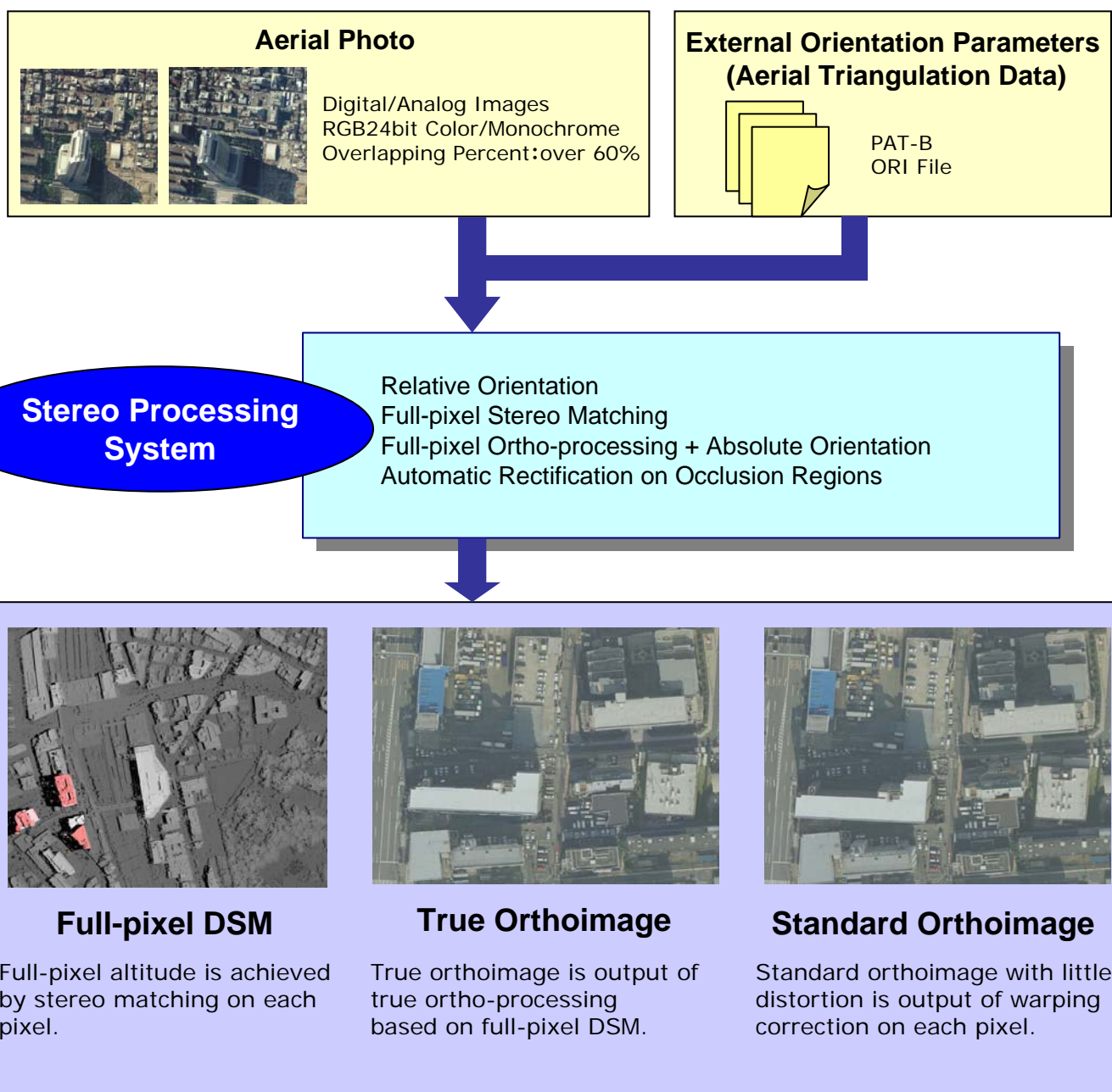


## RealScape Stereo Processing System

RealScape Stereo Processing System automatically generates full-pixel DSM, true & standard ortho-rectified from input aerial photos.

- Stereo matching of each pixel via high speed processing (i.e. Grid Computing design)
- Input data include Aerial photos and Triangulation Data
- Output full-pixel DSM (at the same resolution as aerial photos)
- True ortho-rectified images are compensated for tilted terrestrial objects and terrains.
- Occlusion regions of orthoimage can be automatically rectified



## Automatic Occlusion Processing

Automatic rectification of occlusion regions in true orthoimage



Input Aerial Photo



True Orthoimage  
Without Rectification



True Orthoimage  
After Rectification

## 3D View by RealScape Stereo Processing System



## Recommended System Specifications

Stereo Processing  
Server

CPU : DualCore Xeon  
OS : WindowsServer2003  
Memory : Above 3GB  
HDD : High-capacity hard disk drive  
like RAID5

Stereo Processing  
Client

CPU : Core2Duo 2GHz or better  
OS : WindowsXP SP1 or later version  
Memory : Above 1GB  
HDD : About 80GB  
LAN : Speed of above 100Mbps

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- The stereo matching processing in RealScape makes use of the earth navigation technology developed by NEC Internet System Research Laboratories.
- Please note that the content of this catalogue may be partly changed in certain specifications and design without announcement.
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