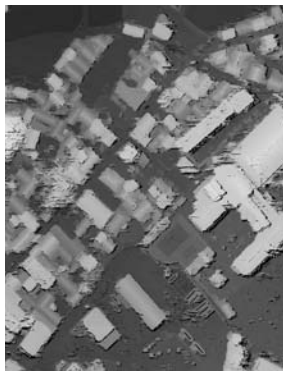


## RealScape Series

RealScape Series automatically generate 3D surface data of terrestrial objects and terrains by outputting full-pixel Digital Surface Model (DSM), true & standard ortho-rectified images from input aerial photos. RealScape Series can also integrate with many existing ArcGIS applications for a comprehensive business solution.

### RealScape Series Product Overview



**Full-pixel DSM**※1

The resolution of DSM is the same as the input aerial photo.



**True Orthoimage**

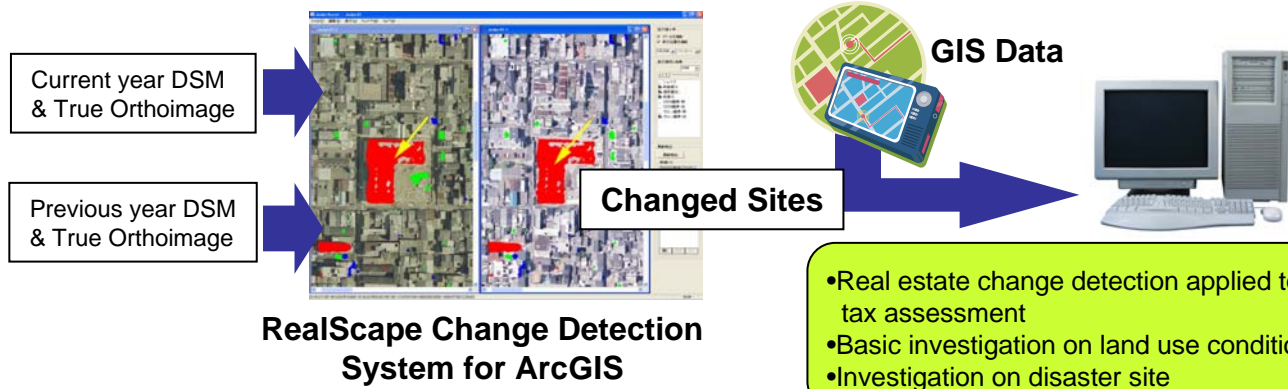
By true ortho-processing based on full-pixel DSM, Ortho-rectified image can be generated with RealScape.



Integrating RealScape 3D (high resolution) data with existing ArcGIS solutions, customers can develop innovated GIS based solutions.

- Make & update digital map
- Geographically prediction task
- 3D simulation
- Application in city disaster prevention and river disaster prevention by 3D data
- Aerial obstacle investigation

- Change Detection System for ArcGIS※2 automatically detects changes (of terrestrial objects and terrains) and annotates them by altitude and color information.
- By combining change detection result with other GIS data, users can benefit from unique GIS based applications.



※1. To be compliant with ArcGIS

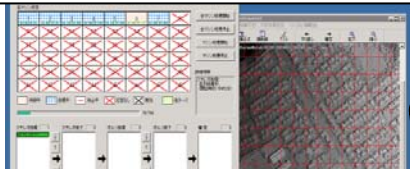
※2. Partly compliant with ArcGIS

## RealScape Product Features

Currently domestic sales in Japan. International sales starting from December, 2008.

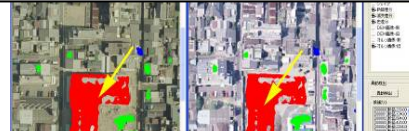
### RealScape Series

#### Stereo Processing System



Automatically generate full-pixel DSM and true ortho-rectified image from aerial photos

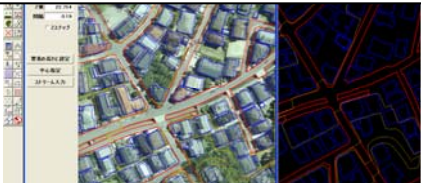
#### Change Detection System for ArcGIS



Automatically detect the change of terrestrial objects and that of terrains by altitude and color information

### RealScape Suite

#### Digital Mapping and Editing System for RealScape



Digital Editing & Single Image Based Digital Mapping

#### 3D Viewer for RealScape



3D view of full-pixel DSM and true ortho-rectified image

## RealScape Customer List

- Tax Bureau & Urban Development Bureau, Tokyo Metropolitan Government
- Finance Bureau, Osaka City
- Tondabayashi City, Osaka Prefecture
- Nishinomiya City, Hyogo Prefecture
- Kyoto City, Kyoto Prefecture (scheduled this year)
- Geographical Survey Institute, Japan
- Setsunan University, Japan
- Many survey service providers

#### Recommended System Specifications for Stereo Processing

##### 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

#### Recommended System Specifications for Change Detection

CPU : Pentium 4 2GHz or better  
OS : WindowsXP SP1 or SP2  
Memory : Above 1.5GB\*1  
HDD : Above 80GB

\*1. The required memory may change according to the image size.

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URL <http://www.necst.co.jp/product/rs/english/>

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•Core Xeon and Core2Duo are the worldwide registered trademarks of Intel Corporation and its affiliated companies.  
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•All other trademarks mentioned in this catalogue are the property of their respective owners.  
•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.  
•The content of this catalogue was last updated in June, 2008.