

WorldView-2

Launched in October 2009, WorldView-2 is the first Very High Resolution 8-band multispectral commercial satellite. Operating at an altitude of 770 km, WorldView-2 incorporates industry-leading geolocation accuracy and is able to geolocate to less than 5 m to create maps in remote areas, thereby maximising the utility of available resources. Multispectral resolution imagery is acquired by use of bi-directional scanning and rapid retargeting using Control Moment Gyros - more than two times faster than any competitor.



COLLECTION CAPACITY

Ability to image 1,000,000 km² daily with a 1.1 day revisit rate at 1 m GSD or less.



ACCURACY

Predicted <3.5 m CE90 without ground control



CONTIGUOUS AREA COLLECTED

Mono: 138 km x 112 km (8 strips)
Stereo: 63 km x 112km (4 pairs)

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Specifications

Orbit	<ul style="list-style-type: none"> • Altitude: 770 km • Type: SunSync, 10:30 am descending node • Period: 100 minutes 								
Dynamic Range	11-bits per pixel								
Swath Width	At Nadir: 16.4 km								
Sensor Bands	<p>Panochromatic 450 - 800 nm</p> <p>8 Multispectral</p> <table> <tr> <td>Coastal: 400 - 450 nm</td> <td>Red: 630 - 690 nm</td> </tr> <tr> <td>Blue: 450 - 510 nm</td> <td>Red Edge: 705 - 745 nm</td> </tr> <tr> <td>Green: 510 - 580 nm</td> <td>Near IR1: 770 - 895 nm</td> </tr> <tr> <td>Yellow: 585 - 625 nm</td> <td>Near IR2: 860 - 1040 nm</td> </tr> </table>	Coastal: 400 - 450 nm	Red: 630 - 690 nm	Blue: 450 - 510 nm	Red Edge: 705 - 745 nm	Green: 510 - 580 nm	Near IR1: 770 - 895 nm	Yellow: 585 - 625 nm	Near IR2: 860 - 1040 nm
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Features

- High capacity in various collection modes
- Optimised and flexible collection planning
- Direct downlink to German antenna for near real-time delivery



About European Space Imaging (EUSI)

Based in Munich, Germany and established in 2002, EUSI is the leading premium supplier of global Very High Resolution (VHR) satellite imagery and derived services such as 3D products, vector derivatives and analytic tools to customers in Europe and North Africa.

Through their longstanding partnership with Maxar Technologies, they were the first European company to bring 30 cm resolution satellite imagery to the EU market. Today, EUSI has access to satellites at resolutions 30 cm – 1 m and a combined daily revisit of close to 10 times a day in panchromatic, multispectral, hyperspectral and video.