

## High Resolution Satellites

Satellite's Name	Satellite Type	Spectral Bands	Resolution	Potential Coverage Area
<b>WorldView-4</b>	Satellite	Pan 4-band MS	31-cm 1.24-m	Global
<b>WorldView-3</b>	Satellite	Pan 8-band MS 8-band SWIR	31-cm 1.24-m 3.71-m	Global
<b>WorldView-2</b>	Satellite	Pan 8-band MS	46-cm 1.85-m	Global
<b>WorldView-1</b>	Satellite	Pan	50-cm	Global
<b>GeoEye-1</b>	Satellite	Pan 4-band MS	41-cm 1.65-m	Global
<b>Quick-bird</b>	Satellite	Pan 4-band MS	60-cm 2.4-m	Global

# World View 4

## Overview

If your project demands the world's highest resolution satellite imagery, then the tandem of WorldView-4 and WorldView-3 should be your next imagery choice. And by working in close unison to acquire newly tasked imagery, WorldView-4/3 are able to offer unmatched collection times of 31-cm data even in remote and competitive regions of the world.

## WorldView-4 Specifications

### Imaging System

<ul style="list-style-type: none"><li>• <b>Spectral Bands:</b></li></ul>	<ul style="list-style-type: none"><li>• Panchromatic</li><li>• 4-band multispectral (blue, green, red, and near-infrared)</li></ul>
<ul style="list-style-type: none"><li>• <b>Sensor Resolution:</b></li></ul>	<ul style="list-style-type: none"><li>• At nadir – 31-cm panchromatic &amp; 1.24-m multispectral</li><li>• 20° off-nadir – 34-cm panchromatic &amp; 1.38-m multispectral</li><li>• 56° off-nadir – 1-m panchromatic &amp; 4-m multispectral</li></ul>
<ul style="list-style-type: none"><li>• <b>Panchromatic and Multispectral Bands Wavelength Range:</b> (in nm)</li></ul>	<ul style="list-style-type: none"><li>• Panchromatic – 450 to 800</li><li>• Blue – 450 to 510</li><li>• Green – 510 to 580</li><li>• Red – 655 to 690</li><li>• NIR – 780 to 920</li></ul>
<ul style="list-style-type: none"><li>• <b>Dynamic Range:</b></li></ul>	<ul style="list-style-type: none"><li>• 11-bits</li></ul>

### Collection Capabilities

<ul style="list-style-type: none"><li>• <b>Footprint Width:</b></li></ul>	<ul style="list-style-type: none"><li>• 13.1 km (at nadir)</li></ul>
<ul style="list-style-type: none"><li>• <b>Single Pass Maximum Collection Geometry:</b></li></ul>	<ul style="list-style-type: none"><li>• (at 30° off-nadir)</li><li>• Mono – 66.5 km x 112 km (5 strip wide)</li><li>• Stereo – 26.6 km x 112 km (2 pairs wide)</li></ul>
<ul style="list-style-type: none"><li>• <b>Retargeting Ability:</b></li></ul>	<ul style="list-style-type: none"><li>• 10.6 sec (time to slew 200 km)</li></ul>
<ul style="list-style-type: none"><li>• <b>Daily Collection Capacity:</b></li></ul>	<ul style="list-style-type: none"><li>• 680,000 sq km</li></ul>
<ul style="list-style-type: none"><li>• <b>Georeferenced Horizontal Accuracy:</b></li></ul>	<ul style="list-style-type: none"><li>• &lt;&lt;4-m CE90 (global average, dependent on terrain)</li></ul>