THE DIGITALGLOBE CONSTELLATION

World’s Largest Sub-Meter High Resolution Satellite Constellation
The DigitalGlobe constellation of high resolution satellites offers incredible accuracy, agility and collection capacity, imaging more of the world in the finest level of detail. By 2009, this constellation will be unprecedented in the industry, enabling customers around the globe to get the truest view of the world.

Greatest Collection Capacity

We currently are able to collect nearly 1 million km² of quality imagery every day, building an ImageLibrary already twice the size of any other as well as offering tremendous tasking capacity. And launching October 2009, WorldView-2 will double our collection capacity, add 8-band capability and provide intra-day revisit to any place on Earth. You choose the world imagery you need and the way you need it—online, offline, on your mobile device or directly into your GIS—and we deliver real-world perspective you can rely on.

High Performance and Flexibility
Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>QuickBird</th>
<th>WorldView-1</th>
<th>WorldView-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operational Altitude</td>
<td>450 km</td>
<td>496 km</td>
<td>770 km</td>
</tr>
<tr>
<td>Weight Class</td>
<td>1100 kg (2400 lb)</td>
<td>2,500 kg (5500 lb)</td>
<td>2,800 kg (6200 lb)</td>
</tr>
<tr>
<td>Spectral Characteristics</td>
<td>Pan + 4 MS</td>
<td>Pan</td>
<td>Pan + 8 MS</td>
</tr>
<tr>
<td>Panchromatic Resolution</td>
<td>60 cm (0.6 m)</td>
<td>50 cm (0.5 m)</td>
<td>50 cm (0.5 m)</td>
</tr>
<tr>
<td>(nadir)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multispectral Resolution</td>
<td>2.4 meters</td>
<td>N/A</td>
<td>1.8 meters</td>
</tr>
<tr>
<td>(nadir)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accuracy Specification*</td>
<td>24M CE90</td>
<td>6.5M CE90</td>
<td>6.5M CE90</td>
</tr>
<tr>
<td>Measured Accuracy* (133 samples)</td>
<td>16.4M CE90</td>
<td>4.1M CE90</td>
<td>TBD</td>
</tr>
<tr>
<td>Swath Width</td>
<td>16.5 km</td>
<td></td>
<td>16.4 km</td>
</tr>
<tr>
<td>Average Revisit at 40°N latitude</td>
<td>2.4 days at 1m GSD</td>
<td>1.7 days at 1m GSD</td>
<td>1.1 days at 1m GSD</td>
</tr>
<tr>
<td>Monoscopic Area Coverage</td>
<td>1x</td>
<td></td>
<td>4.5x per satellite</td>
</tr>
<tr>
<td>Single-Pass Stereoscopic Coverage</td>
<td>Single Scene (&lt;10° off-nadir)</td>
<td>2 x 2 Scenes (&lt;30° off nadir)</td>
<td>1 x 10 Scenes (&lt;30° off nadir)</td>
</tr>
<tr>
<td>Attitude Control Actuators</td>
<td>Reaction Wheels</td>
<td>Control Moment Gyros (CMGs)</td>
<td></td>
</tr>
<tr>
<td>Onboard Storage</td>
<td>137 Gbits (2^37 bits)</td>
<td>2199 Gbits (2^41 bits)</td>
<td></td>
</tr>
<tr>
<td>Wideband Data Downlink Rate</td>
<td>320 Mbps total 280 Mbps effective</td>
<td>800 Mbps total 697 Mbps effective</td>
<td></td>
</tr>
<tr>
<td>Rapid Delivery Options</td>
<td>Virtual Ground Terminal (VGT)</td>
<td>Direct Downlink, VGT</td>
<td></td>
</tr>
</tbody>
</table>

*At nadir, excluding terrain effects

The Most Advanced Satellite Constellation

- High resolution showing crisp detail
- Most spectral diversity commercially available
- Greatest collection capacity
- Lowest revisit times—intra-day revisits
  - At 1 m GSD, average revisit is 1 day or less; maximum never exceeds 2 days
  - Provides more same-day passes
- High geolocation accuracy
- Largest high resolution swath width
- Most agile with rapid retargeting
- Greatest in-track stereo collection
QuickBird WorldView-1 WorldView-2

World’s Largest Sub-Meter High Resolution Satellite Constellation

QuickBird
Operational
Altitude: 450 km

WorldView-1
Operational
Altitude: 496 km

WorldView-2
Operational
Altitude: 770 km

2008
Capable of collecting nearly 1,000,000 km² per day.

2009
Will be capable of collecting nearly 2,000,000 km² per day.*

* With the launch of WorldView-2

Greater Agility

Ground Track

QuickBird Slew Time: 62 Seconds
300 km

WorldView-1 Slew Time: 9 Seconds
300 km

WorldView-2 Slew Time: 9 Seconds
Target Spacing: 300 km

More Collection

More Collection

Greater Agility

Faster Revisit

The DigitalGlobe Constellation enables intra-day revisits.