DigitalGlobe

A MAXAR COMPANY

The DigitalGlobe Constellation

The world's most advanced constellation of very high-resolution satellites

The world's most advanced constellation

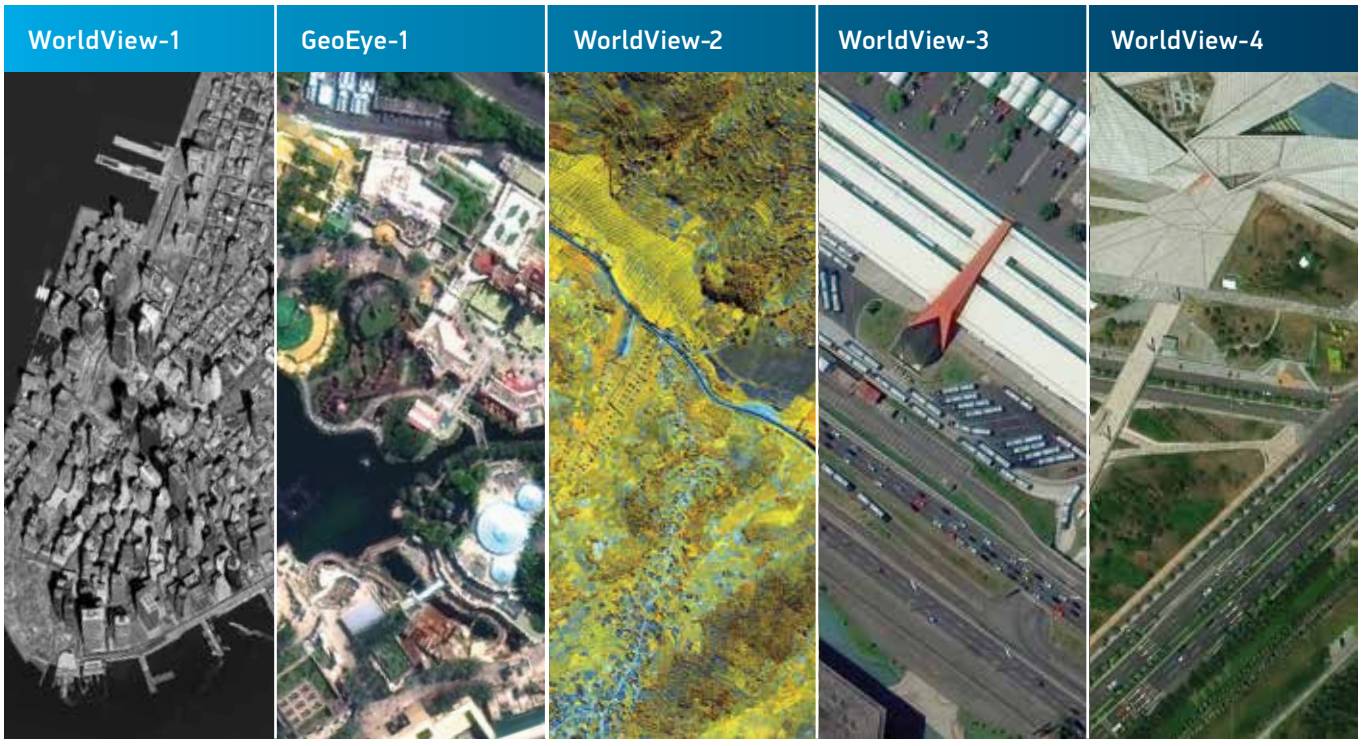
The DigitalGlobe constellation of high-resolution satellites offers incredible accuracy, agility and collection capacity, imaging more of the world in the finest level of detail. This constellation is unprecedented in the industry, enabling customers around the globe to get the highest quality view of their world.

GREATEST COLLECTION CAPACITY

The DigitalGlobe constellation collects more than one billion sq km of high-resolution imagery per year—building and refreshing the most comprehensive and up-to-date high-resolution imagery library in the world as well as offering tremendous tasking capacity. 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.

MOST ADVANCED SATELLITES

- High-resolution (up to 30 cm) showing crisp detail
- Most spectral diversity commercially available
- Greatest collection capacity
- Fastest 50 cm revisit times—intraday revisits
- High geolocational accuracy
- Large high-resolution swath width
- Most agile with rapid retargeting
- Greatest in-track stereo collection



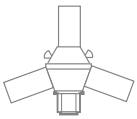
HIGH PERFORMANCE & FLEXIBILITY—COLLECTION SCENARIOS

IMAGERY AVAILABLE IN OUR IMAGE LIBRARY

IKONOS

16 years of successful missions: **1999–2015**

408 MILLION SQ KM.
(~3x the world's land surface area)

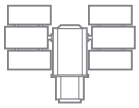


IMAGERY AVAILABLE IN OUR IMAGE LIBRARY

QuickBird

13 years of successful missions: **2001–2014**

636 MILLION SQ KM.
(~4x the world's land surface area)

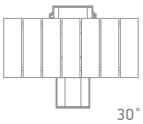


ACTIVELY COLLECTING

GeoEye-1

Sensor bands

- Panchromatic
- Multispectral



Multiple point targets
15.4 km
15.4 km

Long strip
360 km
15.4 km

Large area collect
44 km
112 km

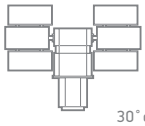
Stereo available

ACTIVELY COLLECTING

WorldView-1

Sensor bands

- Panchromatic



Multiple point targets
17.7 km
17.7 km

Long strip
360 km
17.7 km

Large area collect
112 km
111 km

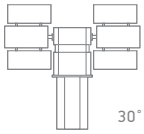
Stereo available

ACTIVELY COLLECTING

WorldView-2

Sensor bands

- Panchromatic
- Multispectral
- 4 additional bands



Multiple point targets
16.4 km
16.4 km

Long strip
360 km
16.4 km

Large area collect
112 km
138 km

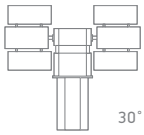
Stereo available

ACTIVELY COLLECTING

WorldView-3

Sensor bands

- Panchromatic
- Multispectral
- 4 additional bands
- SWIR



Multiple point targets
13.2 km
13.2 km

Long strip
360 km
13.2 km

Large area collect
112 km
69 km

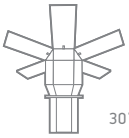
Stereo available

ACTIVELY COLLECTING

WorldView-4

Sensor bands

- Panchromatic
- Multispectral



Multiple point targets
13.2 km
13.2 km

Long strip
360 km
13.2 km

Large area collect
112 km
69 km

Stereo available

SPECIFICATIONS

Feature	WorldView-1	GeoEye-1	WorldView-2	WorldView-3	WorldView-4
Operational altitude	496 km	681 km	770 km	617 km	617 km
Spectral characteristics	Pan	Pan + 4 MS	Pan + 8 MS	Pan + 8 MS + 8 SWIR	Pan + 4 MS
Panchromatic resolution (nadir)	.50 m	0.41 m	0.46 m	0.31 m	0.31 m
Multispectral resolution (nadir)	N/A	1.64 m	1.85 m	1.24 m	1.24 m
Accuracy Specification (nadir)	6.5 m CE90	3 m CE90	6.5 m CE90	3.5 m CE90	4 m CE90
Swath width	17.7 km	15.3 km	16.4 km	13.2 km	13.1 km
Average revisit at 40°N latitude	1.7 days	< 3 days	1.1 days	1.0 day	1.0 day
Monoscopic area coverage (30° off-nadir)	111 km x 112 km (6 Strips)	45 km x 112 km (3 Strip)	138 km x 112 km (8 Strips)	69 km x 112 km (5 Strips)	66.5 km x 112 km (5 Strips)
Single-pass stereoscopic coverage (30° off-nadir)	51 km x 112 km (3 Pairs)	15 km x 112 km (1 Pair)	63 km x 112 km (4 Pairs)	28 km x 112 km (2 Pairs)	26.6 km x 112 km (2 Pairs)
Weight class	2500 kg (5500 lbs)	1955 kg (4,310 lbs)	2800 kg (6200 lbs)	2800 kg (6200 lbs)	2600 kg (5700 lbs)
Attitude control actuators	Control Moment Gyros	Reaction Wheels	Control Moment Gyros	Control Moment Gyros	Control Moment Gyros
Onboard storage	2199 Gbits	1000 Gbits	2199 Gbits	2199 Gbits	3200 Gbits
Wideband data downlink rate	800 Mbps total	740 Mbps total	800 Mbps total	800 or 1200 Mbps total	800 Mbps total
Rapid delivery options	Direct Downlink, Virtual Ground Terminal	Direct Downlink, Virtual Ground Terminal	Direct Downlink, Virtual Ground Terminal	Direct Downlink, Virtual Ground Terminal	Direct Downlink, Virtual Ground Terminal

The DigitalGlobe Constellation

DigitalGlobe

2018 Capable of collecting over 1,000,000,000 sq km per year

WorldView Legion launching 2021

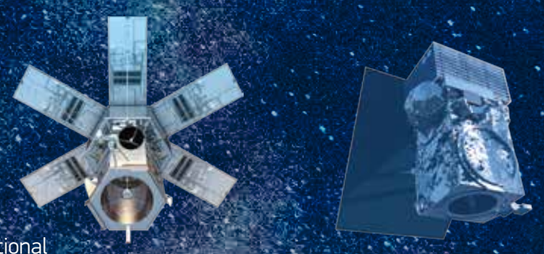
WorldView-1 | GeoEye-1 | WorldView-2 | WorldView-3 | WorldView-4

Operational altitude: 496 km

Operational altitude: 681 km

Operational altitude: 770 km

Operational altitude: 620 km



Operational altitude: 617 km

200 km
Slew time: 10 seconds

200 km
Slew time: 25 seconds

200 km
Slew time: 10 seconds

200 km
Slew time: 11 seconds

200 km
Slew time: 11 seconds

Ground track

- **More collection**
  60% of Earth's surface monthly
- **Greater agility**
  Target spacing: 200 km
- **Faster revisit**
  Intraday revisits

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