

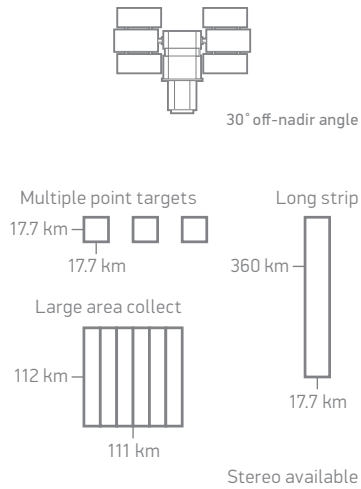
# HIGH PERFORMANCE @ FLEXIBILITY—COLLECTION SCENARIOS

## WorldView-1

### Sensor bands



Panchromatic



## GeoEye-1

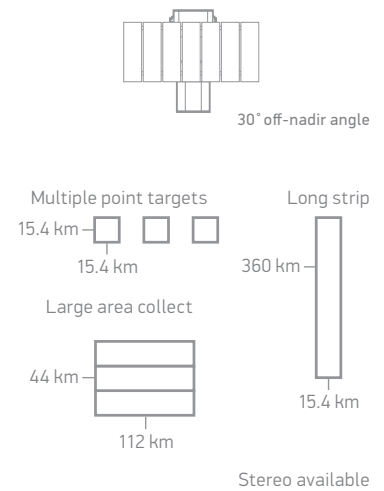
### Sensor bands



Panchromatic



Multispectral



## WorldView-2

### Sensor bands



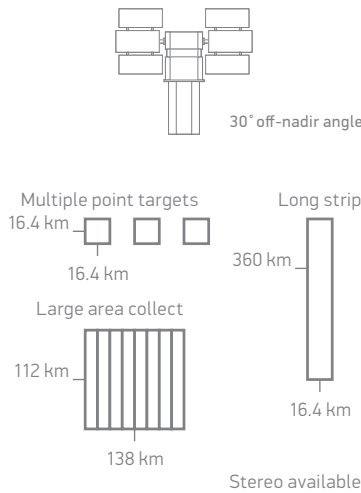
Panchromatic



Multispectral



4 additional bands



## WorldView-3

### Sensor bands



Panchromatic



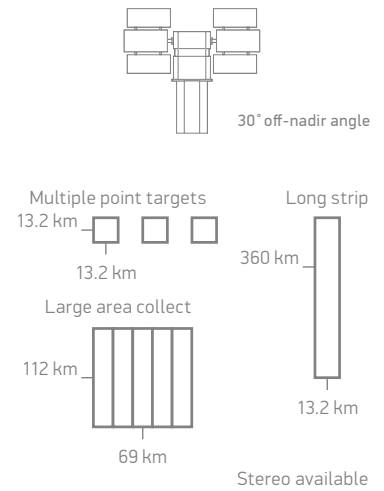
Multispectral



4 additional bands



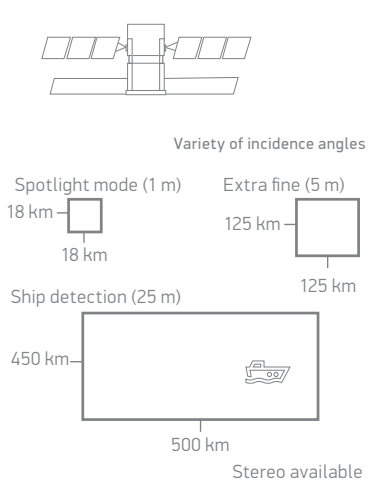
SWIR



## RADARSAT-2

### Polarizations:

HH, VV, HV, VH





**MAXAR**

# The Maxar Constellation

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



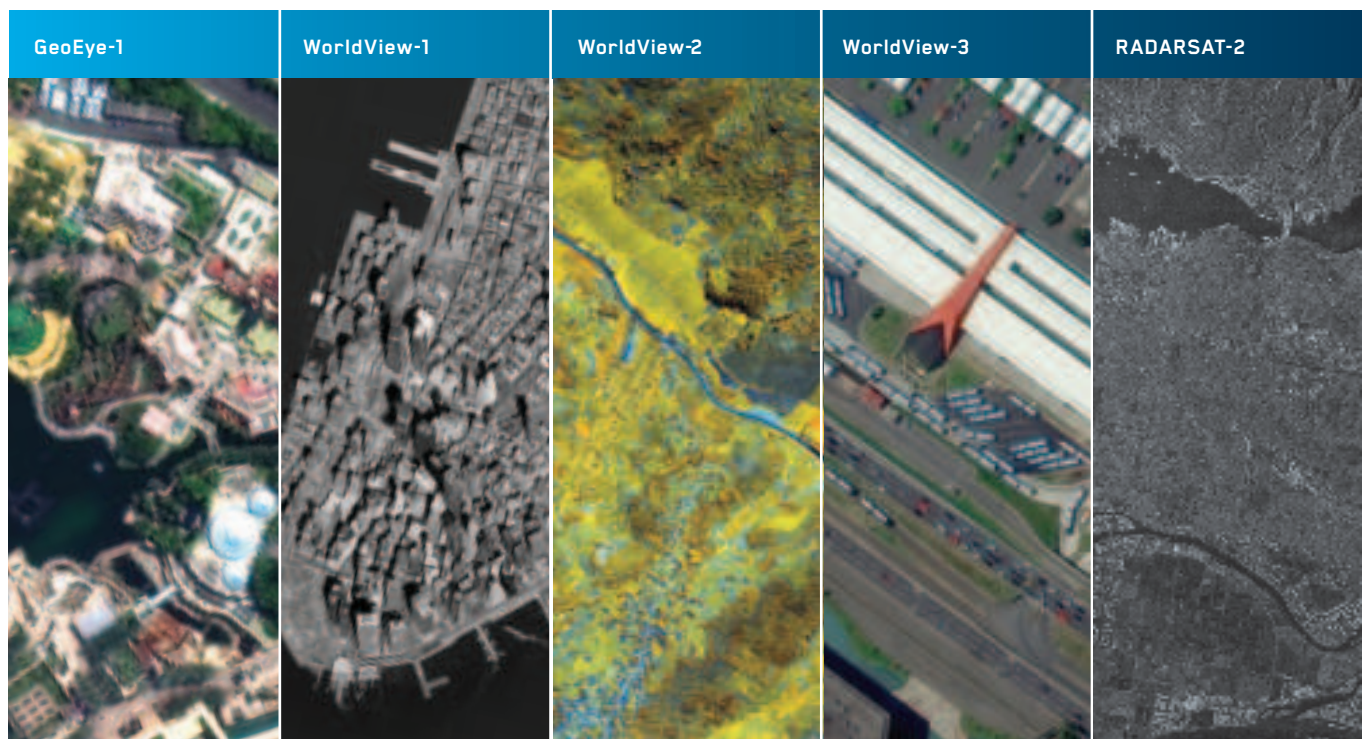
# The world's most advanced constellation

The Maxar 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 Maxar constellation collects more than one billion sq km of high-resolution optical and 600 million sq km of synthetic aperture radar 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.

- 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



## SATELLITE SPECIFICATIONS

Types	Electro-Optical				Synthetic Aperture Radar
Feature	WorldView-1	GeoEye-1	WorldView-2	WorldView-3	RADARSAT-2
Operational altitude	496 km	681 km	770 km	617 km	798 km
Spectral characteristics	Pan	Pan + 4 MS	Pan + 8 MS	Pan + 8 MS + 8 SWIR	C-Band Synthetic Aperture Radar (SAR)
Panchromatic resolution (nadir)	.50 m	0.41 m	0.46 m	0.31 m	1 - 100 m*
Multispectral resolution (nadir)	N/A	1.64 m	1.85 m	1.24 m	N/A
Accuracy Specification (nadir)	6.5 m CE90	5.0 m CE90	5.0 m CE90	5.0 m CE90	Variable, < 15 m CE90 for high resolution modes
Swath width	17.7 km	15.3 km	16.4 km	13.2 km	18 - 500 km*
Average revisit at 40°N latitude	1.7 days	< 3 days	1.1 days	1.0 day	< 2.5 days
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)	N/A
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)	500 km - 500 km* (single pass)
Weight class	2500 kg (5500 lbs)	1955 kg (4,310 lbs)	2800 kg (6200 lbs)	2800 kg (6200 lbs)	2200 kg (4850 lbs)
Attitude control actuators	Control Moment Gyros	Reaction Wheels	Control Moment Gyros	Control Moment Gyros	Control Motion Gyros
Onboard storage	2199 Gbits	1000 Gbits	2199 Gbits	2199 Gbits	384 Gbits
Wideband data downlink rate	800 Mbps total	740 Mbps total	800 Mbps total	800 or 1200 Mbps total	105 Mbps
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, rush delivery (< 4 hrs)

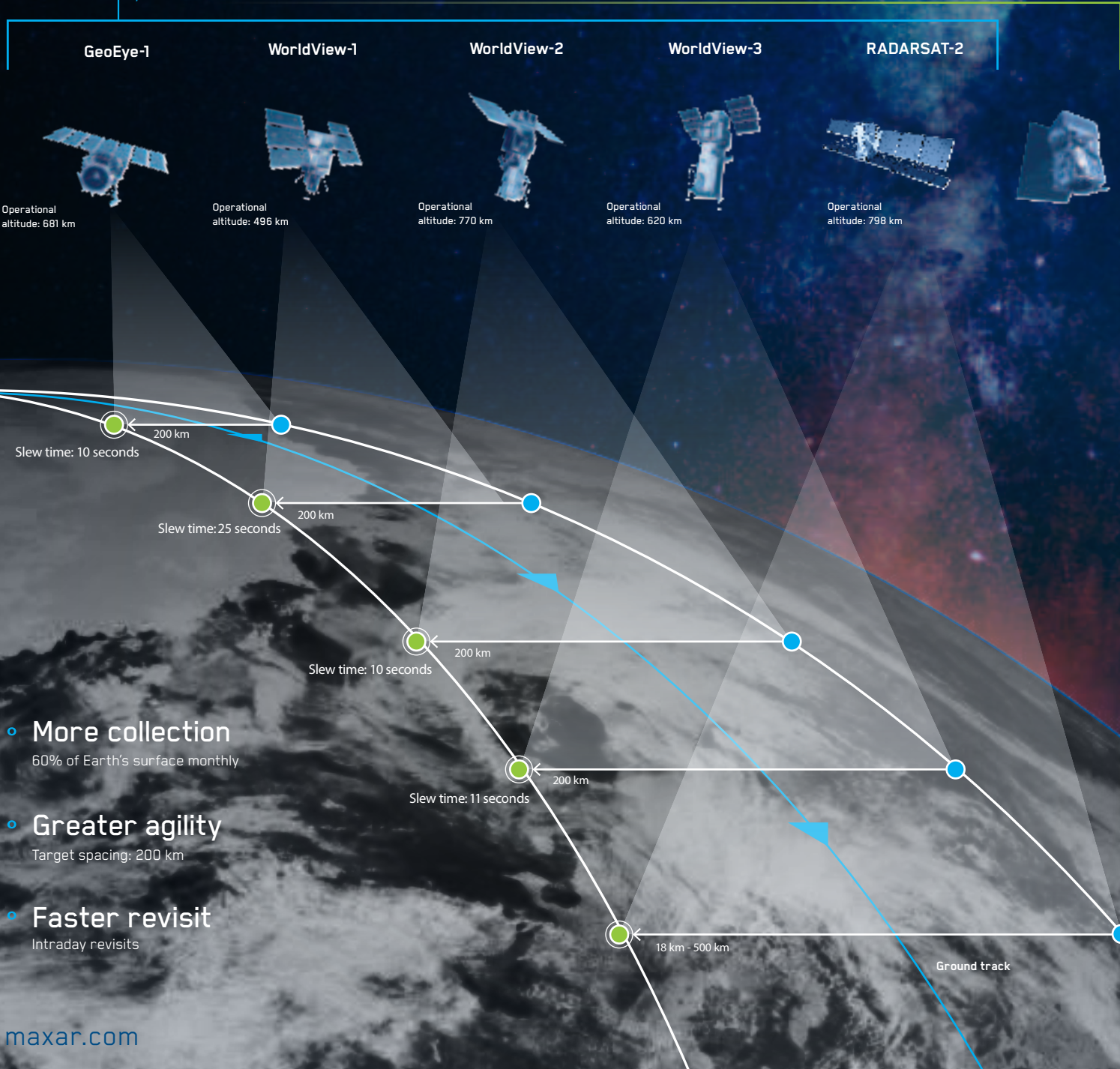
\*Depending on beam mode

# The Maxar Constellation

2018

Capable of collecting over 1 billion sq km of electro-optical and 600,000 sq km of synthetic aperture radar imagery per year

WorldView Legion launching 2021



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