

Ortho Vision Premium – Precision Aerial



DigitalGlobe’s Advanced Ortho Aerial Program is delivering the first and largest high-quality, wall-to-wall collection of 30cm natural color (RGB) and 60cm color infrared (CIR) aerial orthomosaics covering the contiguous United States and Western Europe. Through a special agreement with Microsoft, premium quality imagery will be acquired exclusively with the UltraCamG digital imaging technology from Vexcel to provide comprehensive coverage with unmatched accuracy, quality and aesthetics.

BENEFITS

Easy to Procure

With comprehensive coverage and refresh commitments, DigitalGlobe is your single source solution. No need for multiple contracts with individual providers. We simplify procurement and provide a reliable imagery solution.

Application Ready

Unlike aggregated aerial imagery, DigitalGlobe Precision Aerial imagery is collected using a common sensor on a common platform at a uniform resolution and with standard format. This enables us to provide consistent country-wide/region-wide mosaics making for easier integration and analysis.

Faster Delivery/Lower Cost

Our collection plan means that DigitalGlobe’s Precision Aerial imagery will be ready and waiting for you. Order as much as you need off-the-shelf, or subscribe to the entire collection, and get the imagery you need, when you need it at a price you can afford.

Reliable Quality

The Advanced Ortho Aerial Program relies on the proven UltraCam digital imaging technology from Vexcel. The UltraCamG imaging system is specifically designed for collecting large image swaths with the highest consistency, accuracy and aesthetic quality.

COVERAGE

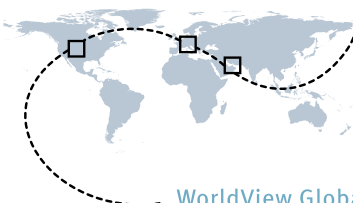
The DigitalGlobe Advanced Ortho Aerial Program will complete the first collection of new imagery of the U.S. and Western Europe (over 10 million km²) by mid 2012. The program will acquire additional 6 million km² of refreshed coverage over the following 2.5 years.



The entire lower 48 US States, as well as the cities of Anchorage, Fairbanks, and Juneau in Alaska.



United Kingdom, France, Germany, Italy, Spain, Portugal, Austria, Switzerland, Ireland, Belgium, Netherlands, Luxembourg, and Denmark as well as some additional flights of opportunity in Finland, Norway, and Sweden.



WorldView Global Alliance™ delivers geospatial content the way you want it, when you want it.

We provide clearer, more accurate visual perspectives for spatial applications and decisions.





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SPECIFICATIONS

PARAMETERS		
Product Options	Natural Color	Color Infrared
Resolution	30 cm	60 cm
Bit Depth	8 bit	
File Format	GeoTIFF	
Seamless Color Balanced Mosaics	Yes	
Projections & Datums	UTM WGS84	
Tiling	25k x 25k pixels	12.5k x 12.5k pixels

PRODUCT SPECIFICATIONS			
	Metro Areas	Standard Region Tiles	Remote Region Tiles
Area	Defined by Market	1° cells 10,000 km ²	1° cells 10,000 km ²
Accuracy CE 90%	2.7 m	4.0 m	5.3 m
Cloud Cover	0	0	< 1%
Cloud Shadows & Haze	0	< 2%	< 3%*
Smoke & Pollution	0	0	< 1%*
Minimum Sun Angle	30°	20°	20°
Standing Water (flood, rain)	no	no	< 1%
Snow and Ice	Permanent snow only	Above timber line	< 3%**
Leaf-Off	Required in US	Desired in US	NA

* Details will be clearly visible

** Exceptions for ski areas, etc. by review

COLLECTION

Precision Aerial imagery will be collected in 1 degree by 1 degree cells (~ 10,000 km²) in a grid pattern for complete country coverage, with priority placed on highly populated areas. High Value Metro Areas will also be collected and processed contiguously to create individual markets of the highest quality.

DELIVERABLES

High Value Metro Areas and Region Tiles will be delivered in their entirety, and can be acquired offline from the DigitalGlobe archive or via Web Services. Custom AOIs will be available for offline delivery at a later date.

DELIVERY METHODS



MEDIA DELIVERY: EXTERNAL HARD DRIVE



WEB-BASED DELIVERY: FTP



CLOUD SERVICES

PRODUCT OPTIONS



Natural Color



Color Infrared