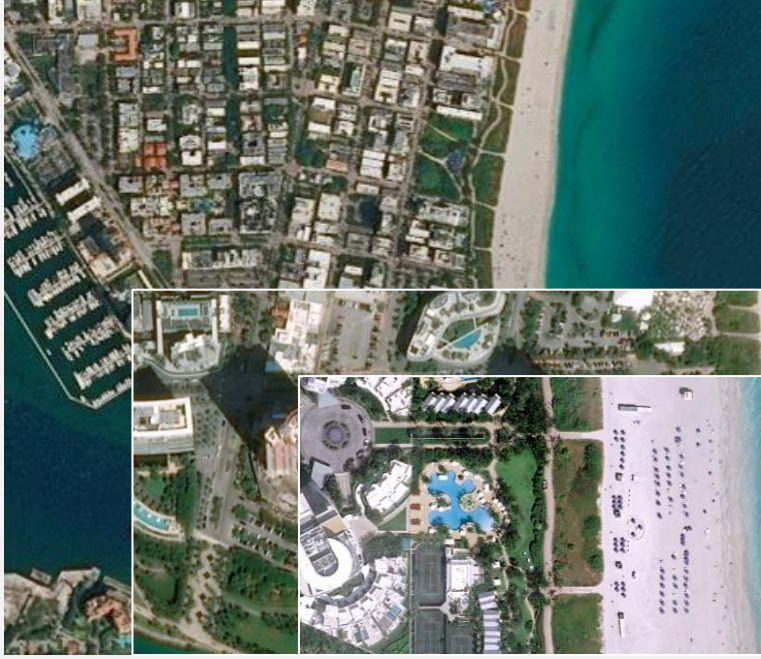
DATA SHEET

Optical Satellite Imagery

An extensive selection of top quality, highly accurate optical imagery for a wide range of industries and applications.



Access to over 17 billion km² of 30cm, 50cm and 1.5m data and flexible satellite tasking services.

An unrivalled constellation backed by over 35 years of experience

Choose the best combination of imagery for your application and budget

The Airbus optical satellite constellation, comprised of the Pléiades Neo, Pléiades and SPOT satellites, delivers outstanding acquisition performance and image quality, offering everything from wide area coverage to fine details. For over 35 years, defense and commercial customers across the world have relied on Airbus imagery to provide them with the precise information they need to make important decisions.

Airbus Optical Imagery Constellation

	Pléiades Neo	Pléiades	SPOT
Product Resolution	0.3m PAN, 1.2m MS	0.5m PAN, 2m MS	1.5m PAN, 6m MS
Spectral Bands	Panchromatic: 450-800nm Deep Blue: 400-450nm Blue: 450-520nm Green: 530-590nm Red: 620-690nm Red-Edge: 700-750nm Near Infrared: 770-880nm	Panchromatic: 470-830nm Blue: 430–550nm Green: 500–620nm Red: 590-710nm Near Infrared: 740-940nm	Panchromatic: 455-744nm Blue: 454-519nm Green: 527-587nm Red: 624-694nm Near-IR: 756-880nm
Image Swath	14 km	20 km	60 km
Revisit	Daily, anywhere		Up to daily
Geolocation Accuracy	3.5 m CE90	6.5 m CE90	<15 m CE90
Acquisition Modes	Mono, Stereo, Tri-stereo		
Acquisition Capacity	Up to 1 million km² per day	Up to 700,000 km² per day	Up to 3 million km² per day
Orbit	Sun-synchronous 10:30 am local time Descending node Altitude: 620 km	Sun-synchronous 10:30 am local time Descending node Altitude: 694 km	Sun-synchronous 10:00 am local time Descending node Altitude: 694 km

Features and Benefits

- Reliable, extensive & accurate Earth observation data
- Ideal combination of coverage and resolution
- Timely and dependable image acquisition
- Multiple tasking modes: mono, stereo and tri-stereo
- Quick and easy access to archive data and satellite tasking via the OneAtlas platform.
- Stream or download imagery in multiple formats
- Flexible pricing, contracting and licensing options to meet the specific needs of your project or mission

Designed to enhance the visual rendering of Pléiades Neo imagery, HD15 is produced by applying an in-house, proprietary algorithm to brighten the colors and sharpen the details.

Products and Processing Options

	Download (30cm, 50cm, 1.5m)	Download (HD15)	Streaming
Geometric Processing Levels	Primary, Projected, Ortho	Primary, Ortho	Ortho
Radiometric Processing Levels	Basic, Reflectance, Display	Basic, Display	Display
Products Formats	DIMAP: GeoTIFF, JPEG 2000 Regular & Optimized NITF: GeoTIFF, JPEG 2000 Regular	Cloud Optimized GeoTIFF (COG)	PNG
Product Encoding	8 bits, 12 bits, 16 bits	8 bits, 12 bits, 16 bits	8 bits
Spectral Combinations	• Panchromatic (PAN) • Pansharpened 4-band • Multispectral (MS) 4-band • Bundle: PAN + MS 4-band • Pansharpened natural color 3-band • Pansharpened false color Additional 30cm options: • Full MS: Multispectral 6-bands • Full Bundle: PAN + Full MS • Pansharpened 6-band	Two specific output format options available: • DIMAP Bundle: PAN + MS 4-band, Primary, Basic, 16 bits, lossless, COG • Pansharpened natural color 3-band, Ortho, Display, 8 bits, lossy, COG	Pansharpened natural color 3-band

3-band natural color = RGB, **3-band false color** = RG + NIR, **4-band** = RGB + NIR, **6-band** = RGB, NIR, Red Edge, Deep Blue

Getting Started: Additional Resources

Content Preview Tool: See the archive coverage

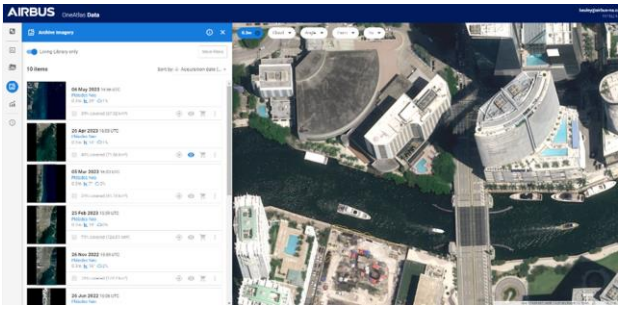
View the imagery archive coverage available in the Content Preview tool. Tool shows image footprints and metadata to see available coverage over your AOI. No account needed.

Subscribe or Pay-per-order

All archive imagery can be accessed via OneAtlas. Subscribe to our Living Library service or purchase on a pay-per-order basis.

Developer Portal

All Airbus optical satellite imagery products and tasking services are available via API. More information can be found in our Developer Portal.



These additional resources (and more) can be found on our website:

Airbus Defence and Space
Australia, Brazil, China, Finland, France, Germany, Hungary, Singapore, Spain, United Kingdom, United States

Airbus Defence and Space - Intelligence
intelligence.airbus.com

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