

An aerial photograph of Paris, France, showing a wide river (the Seine) on the right, a major highway (N101) running diagonally from the top left to the bottom right, and several large, modern buildings with glass facades. The image is overlaid with a semi-transparent white box containing text.

DEFENCE AND SPACE
Intelligence

Pléiades Neo

Paris

AIRBUS

Pléiades Neo

Trusted Intelligence

From 2020, Pléiades Neo will reshape Earth Observation-based services.

Airbus' most advanced optical constellation, with four identical 30cm resolution satellites with the ultimate reactivity, optimises each step of the acquisition and delivery cycle.

The best of very high-resolution optical imagery, for an unprecedented level of geospatial services.

Features

- > High quality 30 cm Ground Sample Distance (GSD) with 6 multispectral channels.
- > Mono, stereo and tri-stereo acquisition capability.
- > 2 million km² per day.
- > Intraday revisit of any point on Earth.
- > Reactive tasking and rapid delivery thanks to SpaceDataHighway.

Benefits

- > Information supplied in a drastically reduced timeframe.
- > Extensive monitoring.
- > Rapid coverage at regional scale.
- > Enables generation of analytics to feed massive intelligence needs.

Technical Specifications



Number of satellites

4 identical satellites in constellation



Launch

2020



Revisit capacity

Daily, anywhere (30° off-Nadir)
Twice daily, anywhere (46° off-Nadir)



Product resolution

Panchromatic
0.3m



Expected geolocation accuracy

<5m CE90 at Nadir



Spectral bands

Deep Blue, Blue, Green, Red,
Red Edge, Near-infrared, Panchromatic



Dynamic range at acquisition

12 bits



Swath

14km
at Nadir



Orbit

Sun-synchronous, 10:30 a.m.
Descending node, 620km altitude



Pointing agility

± 52°



Mission lifetime

>10 years

AIRBUS

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

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