DATA SHEET

30 cm **HD**
## Providing the next level of detail

When your organization's business decisions require you to identify small features on the ground, an improved visual experience is key. The identification of objects such as road lines, individual plants, building edges and vehicles often requires the highest level of visual clarity. HD image processing offers a constellation wide solution by leveraging our proprietary technique of intelligently increasing the number of pixels in an image to supply greater availability of 30 cm pixel products. This means that users are able to leverage 30 cm resolution data in areas or timelines previously unavailable.
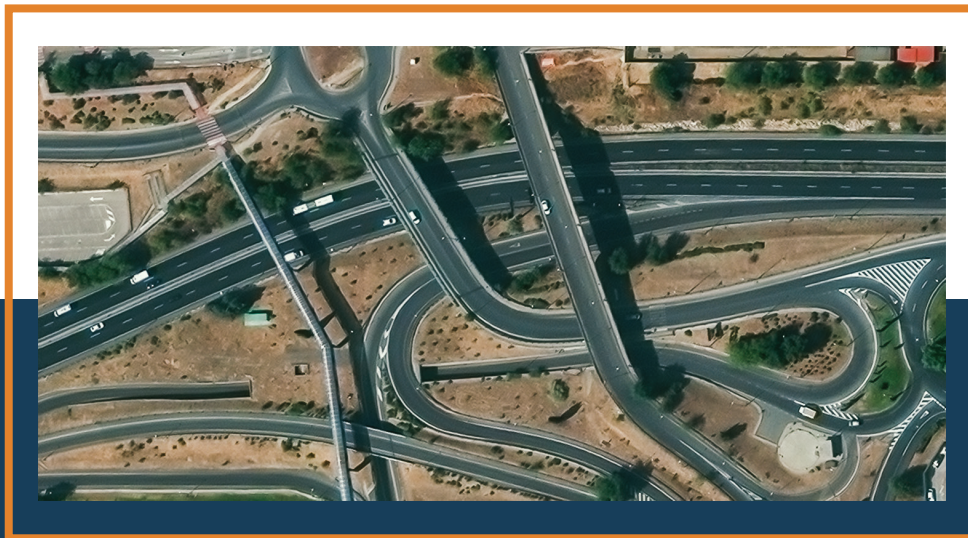
VISUAL CLARITY
Easier to interpret images, allowing you to find critical information

ACCURATE FEATURE IDENTIFICATION
Have the level of detail available to accurately identify features

RAPID DECISION MAKING
Faster interpretation driving rapid confident mission decisions.

30 cm **HD**

Key Features and Benefits

- Improved visual experience

- Reduced pixelation

- Best in class image clarity

- Increasing our 30 cm inventory with HD

- Reducing 30 cm tasking feasibility by using the entire constellation

- Reveal small details and/or features that you could only previously see with aerial imagery

Specifications

PRODUCT LEVEL	HD View Ready (OR2A) & Map Ready (Ortho)
IMAGE BANDS	PAN & Multispectral
CLOUD COVER	<3% target; <20% allowed
POINTING ACCURACY	5 m CE90
ABSOLUTE ACCURACY	<4,2 m CE90
OFF-NADIR ANGLE	<30 degree
SUN ELEVATION	>30 degree (some areas at >15 degree)
BIT DEPTH	8 & 16 bit
PROJECTION/DATUM	UTM/WGS84

What is HD?

- HD Technology is a proprietary technique owned by European Space Imaging partner, Maxar, that improves the visual clarity of an image

- The image that results from application of the technique is aesthetically refined with precise edges and well reconstructed details

What is it not?

- HD Technology does not increase resolution

- Images produced by HD Technology have more pixels than were collected (reducing apparent pixelation), but the collected Ground Sample Distance (which is equivalent to "resolution") does not change

- If an object is not present in the original image, HD Technology will not make it appear

How does it work?

- HD Technology intelligently increases the number of pixels in an image in such a way that maximizes useful information and minimizes unnecessary noise and visible pixelation

- The technique relies on targeting specific types of information in the source image and using it to discern details that may be obscure or difficult to detect

Copenhagen - HD

Copenhagen - WV02 - 57cm GSD

About European Space Imaging

Since the launch of the first commercial VHR satellite, we at European Space Imaging have committed ourselves to providing much more than the world's highest quality satellite imagery.

We provide solutions. Utilising our multi-mission ground station at the German Aerospace Center, the team of geospatial experts at European Space Imaging are able to bring together unique partnerships, innovative techniques and tailored services to achieve results for any project.