DATA SHEET

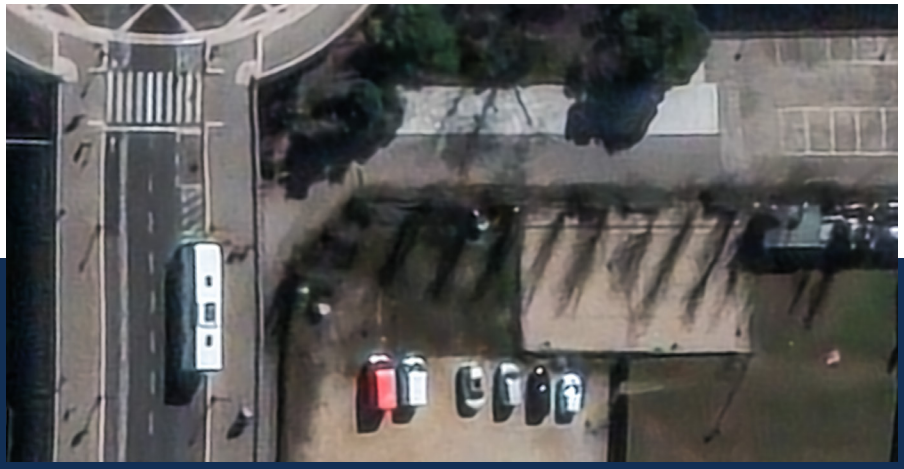
15 cm HD

Providing the next level of detail

When your organisation'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.

True 30 cm resolution imagery has long been the industry leader in clarity. Now with innovative proprietary technology applied to native 30 cm data, 15 cm HD imagery provides the next level of detail - enhancing manual and automated feature extraction efforts from satellite imagery.

Not limited to any certain resolution, HD technology can also be applied to native 40-60 cm imagery, rendering a 30 cm HD image and thus, increasing the availability of 30 cm resolution imagery across the historical archive.



VISUAL CLARITY

Easier to interpret images, allowing you to find critical information

ACCURATE FEATURE IDENTIFICATION

Increased level of detail available to accurately identify features

RAPID DECISION MAKING

Faster interpretation driving rapid confident mission decisions

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Features & Benefits

- Reduced pixelation
- Improved automated feature extraction
- Increases the 30 cm inventory
- Reveal small details and/or features that could only previously see with aerial imagery
- Extensive vehicle identification applications

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 degrees
SUN ELEVATION	>30 degrees (some areas at >15 degrees)
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

About European Space Imaging (EUSI)

European Space Imaging (EUSI) is Europe’s leading provider of advanced geospatial data solutions, delivering the highest quality satellite imagery with unparalleled speed, capacity and reliability. Operating for over 20 years from their ground segment in Munich, EUSI supports European Earth Observation objectives through rapid and flexible satellite tasking for security, civil, environmental and commercial applications.

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