

SAR Imagery

From Umbra

Assured, All-weather, Day or Night Intelligence Collection

Through a strategic partnership with Umbra, European Space Imaging (EUSI) now offers the world's highest quality space-based Synthetic Aperture Radar (SAR) imagery. With an ever-expanding range of scanning modes, SAR imagery is available in different sized footprints with resolutions as high as 25 cm. All weather tasking and delivery tailored for emergency and security applications means it's a perfect option for coupling with VHR optical imagery to ensure you receive usable data at all hours regardless of weather.



HIGHEST COMMERCIALY AVAILABLE SAR RESOLUTION

SAR imagery from 25 cm – 1 m resolution



CAPTURE IMAGES DAY AND NIGHT, ALL WEATHER

Combine with EO tasking to regularly monitor high-value areas with ease



EASY ORDERING

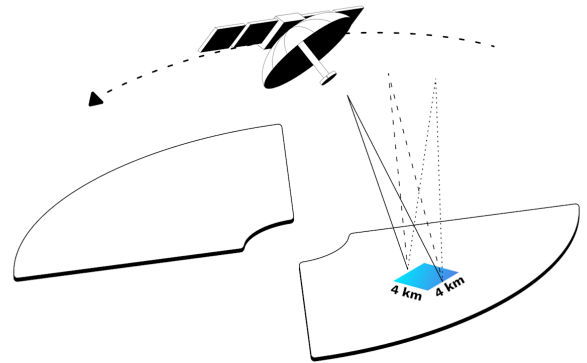
Straightforward pricing and licensing terms

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Imagery Specifications

STANDARD SCENE SIZE	4 km x 4 km
ACQUISITION LENGTH	Single look, 2x and 4x
GRAZING ANGLE	20 ° - 70 ° (either side)
SQUINT ANGLE	45 ° - 135 °
RESOLUTION	0.25 - 1 m Ground Plane IPR
POLARIZATION	HH or VV (selectable)



Ordering Options

SINGLE LOOK 1M RESOLUTION

SINGLE LOOK 0.5M RESOLUTION

SINGLE LOOK 0.35M RESOLUTION

SINGLE LOOK 0.25M RESOLUTION

2X-LOOKED 1M RESOLUTION

4X-LOOKED 1M RESOLUTION

2X-LOOKED 0.5M RESOLUTION

Looks vs Resolution

Looks refer to splitting the full synthetic aperture into sub-apertures. Multiple looks generally result in an image with reduced speckle and appears less “grainy”, however it degrades the spatial resolution.



About European Space Imaging (EUSI)

European Space Imaging (EUSI) has led the earth observation sector in Europe for more than 20 years, providing the best Very High Resolution (VHR) satellite imagery commercially available. The first to bring 30 cm resolution satellite imagery to the European market, EUSI is firmly established as the most trusted source for efficient collection and Near Real-Time (NRT) delivery of high-quality satellite imagery products. Through their ground station at the German Aerospace Center, EUSI continues to directly access the most advanced optical imagery satellites in the world.

About UMBRA

Umbra is an advanced radar technology company that offers intelligence data as a service to commercial and government customers. Umbra satellites generate the highest-resolution commercial SAR data ever offered. Its cutting edge products help customers solve complex business and security challenges.

Umbra is a U.S.-owned and operated company headquartered in Santa Barbara, California, and has a presence in Austin, Texas, and Washington, D.C. For more information, visit www.umbra.space