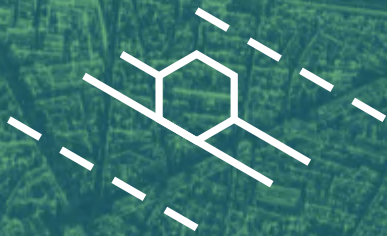


ICEYE

ICEYE
TASKING



ICEYE TASKING IMAGING MODES

AVAILABLE IMAGING MODES

Stripmap
Stripmap High
Spotlight
Spotlight High

FORTHCOMING IMAGING MODES

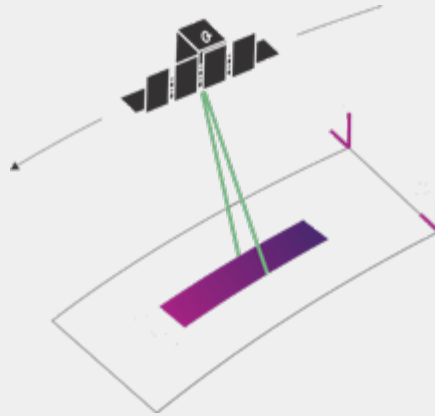
Spotlight Extended Dwell
Spotlight Extended Range
ScanSAR
ScanSAR High

AVAILABLE IMAGING MODES

STRIPMAP

Stripmap is a standard ICEYE imaging mode. It can be acquired as a single scene or as a strip.

- ▶ Resolution (rg x az): 3 x 3m (Ground), 0.5-1.5 x 2.5-3.0m (Slant)
- ▶ Scene (rg x az): 30 x 50km
- ▶ ESA Resolution class: VHR-2
- ▶ X-band



STRIPMAP HIGH

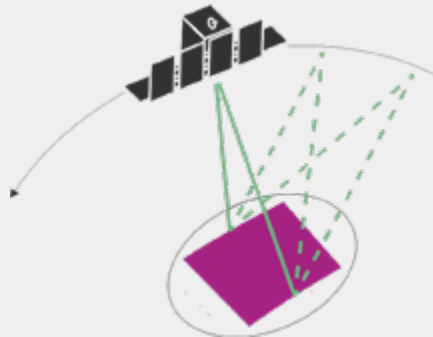
Stripmap High provides finer slant range resolution maintaining all the features of the standard ICEYE Stripmap mode.

- ▶ Resolution (rg x az): 3 x 3m (Ground), 0.5-1.5 x 2.5-3.0m (Slant)
- ▶ Scene (rg x az): 30 x 50km
- ▶ ESA Resolution class: VHR-2
- ▶ X-band

SPOTLIGHT

Spotlight imaging mode provides very fine resolution of SAR imagery for extensive insights.

- ▶ Resolution (rg x az): 1 x 1m (Ground), 0.5 X 0.5m (Slant)
- ▶ Scene (rg x az): 5 X 5 km
- ▶ ESA Resolution class: VHR-1
- ▶ X-band



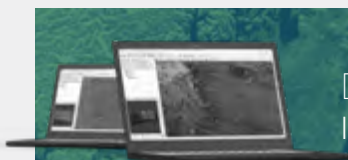
SPOTLIGHT HIGH

Spotlight High offers the finest resolution available.

- ▶ Resolution (rg x az): 1 x 1m (Ground), 0.5 X 0.25m (Slant)
- ▶ Scene (rg x az): 5 X 5 km
- ▶ ESA Resolution class: VHR-1
- ▶ X-band

Notes:

- ▶ Standard Data Package Includes: SLC, GRD, Quicklook and Thumbnail
- ▶ STRIPMAP and STRIPMAP High images can be extended in length in 50km increments up to 200km



DOWNLOAD: ICEYE SAMPLE DATASETS
[ICEYE.com/datasets](https://iceye.com/datasets)

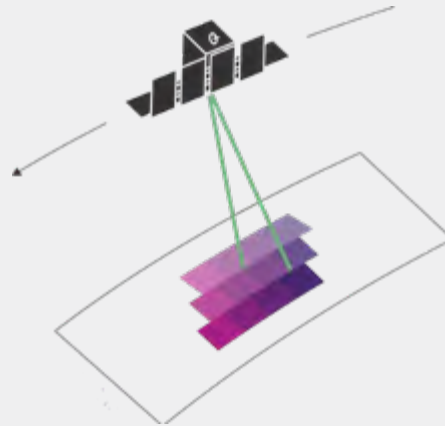


FORTHCOMING IMAGING MODES

SCANSAR

ScanSAR enables imaging the largest area in a single frame of all the ICEYE imaging modes.

- ▶ Resolution (rg x az): 15 x 15m (Ground)
- ▶ Scene (rg x az): 100 x 100 km
- ▶ Beams: 4
- ▶ X-band



COMING SOON

SCANSAR HIGH

ScanSAR High provides finer resolution for imaging extensive areas.

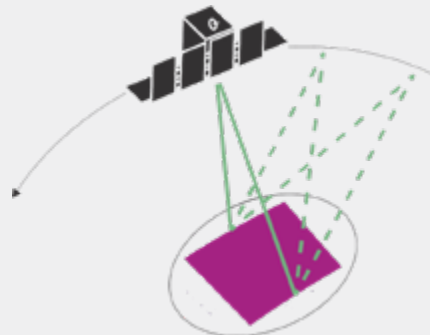
- ▶ Resolution (rg x az): 8 x 8m (Ground)
- ▶ Scene (rg x az): 60 x 100 km
- ▶ Beams: 2
- ▶ X-band

COMING SOON

SPOTLIGHT EXTENDED DWELL

In this mode the area is illuminated for an extended time of 25 seconds in a single pass. It facilitates splitting the data into several separate frames enabling analysis of movement.

- ▶ Imaging time: 25s
- ▶ Resolution (rg x az): variable x 1m (ground)
- ▶ Scene (rg x az): 5 x 5 km
- ▶ X-band



Notes:

- ▶ Standard Data Package Includes: SLC, GRD, Quicklook and Thumbnail
- ▶ SCANSAR and SCANSAR High images can be extended in length in 100km increments up to 1000km

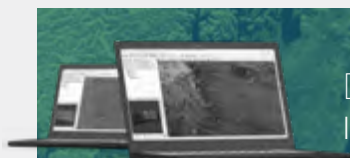
COMING SOON

SPOTLIGHT EXTENDED RANGE

Spotlight Extended Range provides very high resolution with twice the range swath in comparison to the standard ICEYE Spotlight mode.

- ▶ Resolution (rg x az): 1 x 1m (ground)
- ▶ Scene (rg x az): 10 x 5 km
- ▶ X-band

COMING SOON



DOWNLOAD: ICEYE SAMPLE DATASETS
[ICEYE.com/datasets](https://iceye.com/datasets)



ICEYE TASKING IMAGING MODES

IMAGING MODES	GROUND RESOLUTION	SCENE SIZE	INCIDENCE ANGLES	STATUS
STRIPMAP	3 x 3 m	30x50 km	15-30°	Available
STRIPMAP HIGH	3 x 3 m	30x50 km	15-30°	Available
SPOTLIGHT	1x1 m	5x5 km	20-35°	Available
SPOTLIGHT HIGH	1 x 1 m	5x5 km	20-35°	Available
SPOTLIGHT EXTENDED DWELL	1 x 1 m	5x5 km	20-35°	Coming soon
SPOTLIGHT EXTENDED RANGE	1 x 1 m	10x5 km	20-35°	Coming soon
SCANSAR	15 x 15 m	100x100 km	21-29°	Coming soon
SCANSAR HIGH	8 x 8 m	60x100 km	21-29°	Coming soon


DOWNLOAD:
[ICEYE.COM/DOCUMENTS](https://iceye.com/documents)

DOWNLOAD: **ICEYE SAR PRODUCT GUIDE**

DOWNLOAD: **ICEYE LEVEL 1 PRODUCT FORMAT SPECIFICATION**

DOWNLOAD: **ICEYE DATA CALIBRATION AND VALIDATION**



A close-up photograph of a satellite component, likely a solar panel array, being assembled or inspected in a cleanroom. The component features a grid of dark solar cells and is covered with silver thermal insulation. Various wires and connectors are visible, and the background shows the interior of a large, dark, curved structure, possibly a launch vehicle or a large storage container. The lighting is bright, highlighting the metallic surfaces and the intricate wiring.

“ The first operational ICEYE satellite was launched in January 2018. Now, all the ICEYE imaging products are available from our commercial constellation of satellites.

STEVE YOUNG

VP. BUSINESS DEVELOPMENT
AND SALES, ICEYE

EXPLORE FREE DATASETS FROM ICEYE: [ICEYE.COM/DATASETS](https://iceye.com/datasets)



SPOTLIGHT HIGH SAR IMAGERY

FORMATS: SLC & GRD

LOCATIONS: LONDON, UNITED KINGDOM, & ESCONDIDA, CHILE

FEATURES: URBAN AREA, MINE

STRIPMAP HIGH SAR IMAGERY

FORMATS: SLC & GRD

LOCATIONS: SAN FRANCISCO, USA, AND EGBOLOM, NIGERIA

FEATURES: URBAN AREA, FOREST

STRIPMAP SAR IMAGERY

FORMATS: SLC

LOCATIONS: PORT HEDLAND, AUSTRALIA & GDANSK, POLAND

FEATURES: PORTS

STRIPMAP SAR IMAGERY

FORMATS: SLC & GRD

LOCATIONS: ATHENS, GREECE, & NICOSIA, CYPRUS

FEATURES: URBAN AREA, PORTS

SPOTLIGHT SAR IMAGERY

FORMATS: SLC & GRD

LOCATIONS: SINGAPORE

FEATURES: URBAN AREA, AIRPORT

SPOTLIGHT SAR IMAGERY

FORMATS: SLC & GRD

LOCATIONS: SHINJUKU, JAPAN & ZAGREB, CROATIA

FEATURES: URBAN AREA, AGRICULTURAL LAND

ICEYE
TASKING

