



**Astrium GEO-Information Services**  
**TerraSAR-X Services**  
**International Price List**

## TerraSAR-X Services – International Price List

- A complete description of the TerraSAR-X products and services is available on [www.astrium-geo.de](http://www.astrium-geo.de)
- For any additional information concerning prices, volume discounts, etc. please contact the Customer Service Team through +49 7545 8 4344 or [contact@astrium-geo.de](mailto:contact@astrium-geo.de)

## TerraSAR-X – Basic Image Products

Image Product	Scene Size (Width x Length)	Resolution	Polarization	New Acquisition (per scene)	Archive Data (per scene)
High Resolution SpotLight (HS)	10 km x 5 km	up to 1 m	Single VV or HH; Dual HH and VV	€ 6,750	€ 3,375
SpotLight (SL)	10 km x 10 km	up to 2 m			
StripMap (SM)	30 km x 50 km	up to 3 m	Single VV or HH; Dual HH and VV, HH and HV, VV and VH	€ 3, 750	€ 1,875
ScanSAR (SC)	100 km x 150 km	up to 18 m	Single VV or HH; Dual HH and VV	€ 2,750	€ 1,375

- Prices are valid for one polarization and one processing level (SSC, MGD, GEC, EEC).
- Price for additional processing level: € 300 / each.
- Prices include a single-user license.
- StripMap products are also available with reduced (30 km x 30 km) or extended (multiple) scene lengths; prices are adjusted proportionally to scene extent change.
- Archive image products: 90 days after acquisition.
- Dual Polarisation: Basic Image Products will be reduced in size and resolution.

## Programming Services – New Acquisitions

Programming Level	Description	Programming Surcharge
Standard	Low priority Applicable for order confirmation up to 3 days before submission deadline.	Included
Priority	Medium priority Applicable for order confirmation sent up to 1 day before submission deadline.	30 %
Exclusivity	High priority Applicable for order confirmation sent by submission deadline.	70%

- Submission deadlines are 08:30 UTC and 21:30 UTC or as indicated in the financial quotation.
- Exclusivity programming is not available for ScanSAR acquisitions.
- Programming surcharges are applicable to the Basic Image Product prices.

## Modification and Cancellation Conditions – New Acquisitions

Cancellation Notice	Partial Payment
up to 3 days before submission deadline	10%
between 3 days and 1 day before submission deadline	50%
less than 1 day before submission deadline	90%

- Modification and cancellation notice must be submitted in written format via e-mail or fax.
- Submission deadlines are 08:30 UTC and 21:30 UTC.



## TerraSAR-X – Direct Access Services

	Description	Price
Direct Access Services	Reception of TerraSAR-X data directly from the spacecraft at partner or customer owned ground station (new or existing station).	On request

## TerraSAR-X – Enhanced Image Products

	Description	Price
MC <sup>SAR</sup>	<p>Mosaic: Seamless coverage of an area of interest larger than a standard scene.</p> <p>SpotLight StripMap ScanSAR</p> <p><i>Minimum order size 2,000 km<sup>2</sup> for StripMap, 20,000 km<sup>2</sup> for ScanSAR.</i></p>	<p>On request</p> <p>€ 3.30 / km<sup>2</sup> € 0.40 / km<sup>2</sup></p>
ADM <sup>SAR</sup>	<p>Ascending / Descending Merge of two scenes of the same acquisition area. The merge reduces the impact of shadows and layover,</p> <p>SpotLight StripMap ScanSAR</p> <p><i>Minimum order size 1,000 km<sup>2</sup> for StripMap, 10,000 km<sup>2</sup> for ScanSAR.</i></p>	<p>On request</p> <p>€ 6.00 / km<sup>2</sup> € 0.65 / km<sup>2</sup></p>
ORI <sup>SAR</sup>	<p>Additional Orthorectification by using an external high resolution Digital Elevation Model (to be provided by customer or third party) resulting in improved pixel location accuracy.</p> <p><i>Price of Basic Image Product is not included.</i></p>	<p>€ 400 / scene</p>
Color <sup>SAR</sup>	<p>Colour-shaded image. Colours alignment based on customer provided optical images or on predefined colour table.</p> <p><i>Price of Basic Image Product is not included.</i></p>	<p>€ 250 / scene</p>

## TerraSAR-X – Data Packages

	Description	Price
<b>InSAR Data Stack</b>	StripMap scenes with the same acquisition geometry and coverage of the same location dedicated to InSAR applications.	€ 2,000 / scene
	"Programming only" (standard programming level)	€ 300 / scene
	Archived StripMap scenes (90 days after acquisition)	€ 1,700 / scene
<b>Monitoring<sup>SAR</sup></b>	20 guaranteed image products at predefined acquisition dates over a period of 12 months covering one specific location.	SpotLight StripMap
		€ 150,000 € 90,000

*Applicable for a minimum order volume of 5 scenes.  
 "Programming only" charges are compensated with scene purchase.  
 Image delivery is in SSC format.  
 Special conditions for data stacks required for feasibility studies on request.  
 Prices for SpotLight data stacks on request.*

## GEO Elevation – Elevation10 Products

	Description	Price
<b>DSM<sub>basic</sub></b>	The DSM <sub>basic</sub> is derived through radargrammetric processing of ascending and descending StripMap data pairs representing the surface of the Earth including buildings, infrastructure and vegetation. The DSM <sub>basic</sub> is delivered with 10 m posting and an absolute horizontal and vertical accuracy of 5 - 10 m. <i>Minimum order size: 500 km<sup>2</sup> (Minimum width: 20 km)</i>	€ 17.00 / km <sup>2</sup>
<b>DSM</b>	The DSM is derived from the DSM <sub>basic</sub> , ensuring hydrological consistency, i.e. flattening of water bodies, assurance of a monotonic flow of rivers and editing of shore- and coastlines. <i>Minimum order size: 500 km<sup>2</sup> (Minimum width: 20 km)</i>	€ 20.00 / km <sup>2</sup>
<b>DTM</b>	In additional editing steps, the DSM will be transformed into a Digital Terrain Model representing the bare-earth terrain. <i>Minimum order size: 500 km<sup>2</sup> (Minimum width: 20 km)</i>	€ 30.00 / km <sup>2</sup>
<b>Options</b>	Additional information layers <ul style="list-style-type: none"> <li>• Orthorectified radar image layer (single look direction, no mosaicing)</li> <li>• Quality layers (incl. water body mask)</li> </ul>	€ 3.00 / km <sup>2</sup> € 1.00 / km <sup>2</sup>

## GEO Elevation – Elevation10 Package

	Description	Price
<b>Elevation10 Package</b>	Includes DSM, DTM, ORI and quality layers <i>Minimum order size: 500 km<sup>2</sup> (Minimum width: 20 km)</i>	€ 39.00 / km <sup>2</sup>

## Geo-Information – TerraSAR-X Services

	Description	Price
<b>3D Topographic Mapping</b>	Radar-derived topographic maps (including contour lines) at scale 1:10,000 – 1:250,000, delivered as map sheets and vector data sets. Pricing upon receipt of feature extraction guidelines, scale and feature density.	On request
<b>Surface Movement Monitoring</b>	Derivation of surface displacements down to a precision of millimeters. Different technologies, such as Differential Interferometry (DInSAR), Persistent Scatterer Interferometry (PSI), Small Baseline Subset (SBAS) or Corner Reflector Interferometry (CRInSAR) will be applied depending on boundary conditions.	On request
<b>Change<sup>SAR</sup></b>	Basic: Raster and vector product depicting temporary changes between two TerraSAR-X acquisitions (HS, SL or SM). Changes are derived using Amplitude and Coherence Change Detection.	€ 6,900
	Advanced: Raster and vector product depicting temporary changes between two TerraSAR-X acquisitions (HS, SL or SM) including interpretation report. Changes are derived using Amplitude and Coherence Change Detection.	€ 9,500
<b>Ground Control Points</b>	<b>TerraSAR-X GCP-1:</b> Based on a minimum of three High Resolution SpotLight acquisitions, five GCPs with up to 1m accuracy in X/Y/Z in an area of ~20 km <sup>2</sup> .	€ 12,500
	<b>TerraSAR-X GCP-3:</b> Based on a minimum of two StripMap acquisitions, eight GCPs with up to 3m accuracy in X/Y/Z in an area of ~ 1,000 km <sup>2</sup> .	€ 8,500
<b>TerraSAR-X IMINT Manual</b>	<b>TIM basic:</b> Expert data bank covering the principles of SAR-data interpretation, the detection and recognition of IMINT-relevant objects in high-resolution SAR data in comparison to optical VHR imagery. Standard configuration with 200 examples including hardware.  <i>Special configurations (including remote access services) and extension packages available on request.</i>	€ 150,000

## Geo-Information – TerraSAR-X Services

	Description	Price
<b>Flood Extent Map</b>	Flood Extent Maps display the extent of a flooding including the distinction between “flooded” and “potentially flooded” areas. Pre-event data is used to separate (potentially) flooded areas from permanent water bodies. The final product is a flood / water mask in vector and / or raster format.	On request
<b>FloodMapper</b>	<p>The FloodMapper software solution is an easy-to-use tool to be implemented at customer’s site to map flooded areas using TerraSAR-X data.</p> <p>As a stand-alone tool, the FloodMapper installation encapsulates the eCognition Architect and does not require any additional software packages.</p> <p>The FloodMapper comprises a flood mapping server and a graphical user interface. Operators are enabled to extract water masks of flood events, distinguishing between flooded and potentially flooded areas and permanent water bodies. The final product is a flood / water mask in raster and / or vector format.</p>	
	<p>Yearly Subscription</p> <p style="text-align: right;">1 License 4 Licenses</p> <p><i>Incl. maintenance and support. Pricing for more than 4 licences and volume discounts available on request.</i></p>	<p>€ 3,800 € 8,000</p>
	<p>Perpetual License</p> <p style="text-align: right;">1 License 4 Licenses</p> <p><i>Support and maintenance: 16% of perpetual license price / year. Pricing for more than 4 licences and volume discounts available on request.</i></p>	<p>€ 9,500 € 20,000</p>

## SAR Training

	Target Group	Description	Participants	Duration	Price
<b>SAR Information Days</b>	SAR beginners	Brief introduction to TerraSAR-X and TanDEM-X missions, products and services.	15-20 persons	1-2 days	On request
<b>SARIntro</b>	SAR beginners with a strong image processing and GIS background	SAR Fundamentals, TerraSAR-X mission, SAR system, image products and services; outlook on advanced topics.	10-15 persons	5 days	€ 1,500 per person
<b>SARTrix</b>	GIS and remote sensing technicians	Dedicated high, medium and low resolution SAR image interpretation training for topographic and thematic mapping purposes.	10-15 persons	5 days or more	On request
<b>SALSAR</b>	Image Intelligence (IMINT) Image Analysts	High Resolution SAR image interpretation for image intelligence purposes.	10-15 persons	10 days	€ 60,000

- ❑ Prices are for training carried out on-site at the premises of Astrium GEO-Information Services in Germany.
- ❑ Variation of locations, duration, and training topics on request

## Taxes

- All prices quoted in this price list exclude any applicable taxes or duties.

## Licenses

- Single-User License (included in the image product price)
- Multi-User / Organization License (on request)

## Delivery Options

- Online / FTP server
- Shipment of DVD or tape via courier (ICC Incoterms 2000 – DDU)

### **Astrium GEO-Information Services**

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