



PIESAT

PIESAT Information Technology

China · founded 2008 · piesat.cn/website/en-us/index.html

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PRODUCTS

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SERVICES

newspacemarket.com/companies/piesat-information-technology/

as of 20 August 2026

PIESAT Information Technology

PIESAT Information Technology Co., Ltd. (stock code: 688066) is a leading Chinese satellite Internet company, established in 2008 and headquartered in Beijing. It was one of the first companies listed on China's Science and Technology Innovation Board (STAR Market). The company has grown to more than 160 branches across China, with over 3,500 employees, 800+ software copyrights and 150+ patents. PIESAT operates the world's first multi-baseline distributed InSAR satellite constellation, comprising one primary and three auxiliary X-band SAR satellites flying in synchronized elliptical orbit. The system delivers all-day, all-weather, high-resolution wide-swath SAR imaging, with resolution down to 0.5 m in spotlight mode and multi-satellite stitched coverage up to 80 km, plus millimeter-level (3-5 mm/year) surface deformation monitoring across global latitudes between 82.5° north and south. On the software side, PIESAT independently developed the PIE (Pixel Information Expert) suite, including the PIE-Engine remote sensing cloud platform - the first commercially operable remote sensing cloud service in China, with more than 80,000 registered users - alongside desktop and specialized tools such as PIE-Basic, PIE-Ortho, PIE-Hyp, PIE-SAR, PIE-UAV, PIE-SIAS, PIE-AI, PIE-Map and the PIE-SDK developer toolkit. The company's overall business model is built around a space-ground integrated perception network of satellites, drones and ground sensors used to build digital-twin representations of the physical world, serving agriculture, forestry, disaster reduction, meteorology, land and resource management, and maritime applications.

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SERVICES

Services

Comprehensive Industrial Solutions

PIESAT delivers comprehensive solutions tailored to specific industries, integrating its technologies and expertise to meet diverse customer needs.

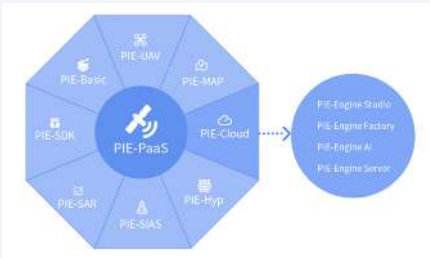
Remote Sensing Image and Data Processing

PIESAT offers flagship software for processing remote sensing images and data, providing advanced tools for analysis and utilization.

Satellite Operation and Application Service

PIESAT provides comprehensive services for satellite operation and application, leveraging its expertise as a leading provider in this field.

Product catalogue



PIESAT INFORMATION TECHNOLOGY

PIE (Pixel Information Expert)

PIESAT's flagship remote sensing image and data processing software suite.

Input data	Image data, GIS data, terrain data, ancillary data
Preprocessing module	Radiometric correction, geometric correction, block adjustment, image fusion, mosaic & uni
Extension packages	Industrial application, UAV data processing, microwave processing, hyperspectral processin
Interpretation and analysis module	Image enhancement, image classification, comprehensive determination, thematic mapping, in
Product family	PIE-Ortho, PIE-SAR, PIE-Hyp, PIE-UAV, PIE-SIAS, PIE-AI, PIE-Map, PIE-SDK, PIE-Engine

price on request



PIESAT INFORMATION TECHNOLOGY

PIE-AI

PIE-AI is an intelligent interpretation software for remote sensing images, leveraging deep learning to enhance extraction efficiency.

Processing	Intelligent whole-image-chain processing using multi-source remote sensing data
Classification	Object-oriented intelligent image classification integrating deep learning
Model training	Adaptive training model selection from independent sample database

price on request



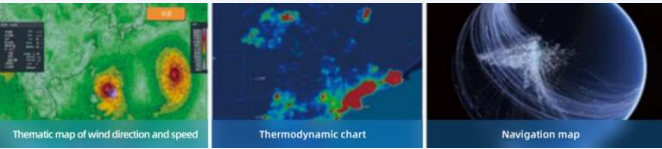
PIESAT INFORMATION TECHNOLOGY

PIE-Engine

PIESAT's remote sensing computing cloud service platform, the first commercially operable remote sensing cloud in China.

Data service	Data management and retrieval across public data systems, private uploaded history, and lo
Data processing	Independent script coding, distributed real-time cloud computation for remote sensing data
Vector editing	Draw vector graphics on map layer for coding, ML model training and results editing
General functions	User management, authorization authentication, security prevention & control, code obfusca
Data visualization	User-controlled display layer style configuration
Code management	Private scripts with modification, deletion, editing and version management
Sub-products	PIE-Engine Studio, PIE-Engine Factory, PIE-Engine AI, PIE-Engine Server

price on request



PIESAT INFORMATION TECHNOLOGY

PIE-Map

A 2D & 3D visualization system for large-scale geographic scenes, providing professional GIS data processing and rendering services.

Platform	Secure and reliable spatial information platform
Data support	Multiple data formats for loading and management
Visualization	Integrated 2D/3D visualization of GIS scene data across data types
Processing	Processing and analysis of various professional data
Deployment	Comprehensive solutions covering multiple terminals and platforms

price on request



Interface for massive data processing

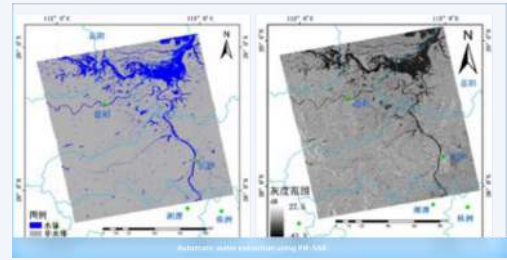
PIESAT INFORMATION TECHNOLOGY

PIE-Ortho

PIE-Ortho is satellite image processing software for surveying and mapping that supports rapid mass production of DOM, DEM, and DSM.

Characteristics	Automatic computation of whole process
Interface	Human-computer interactive platform for massive data
Output	Real-time visualized processing results
Processing	Automatic generation and joint adjustment of large-area multi-source data
Workflow	Customizable workflow

price on request



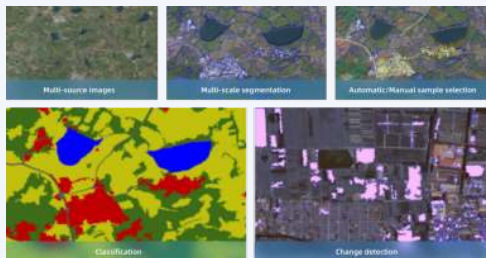
PIESAT INFORMATION TECHNOLOGY

PIE-SAR

PIE-SAR is a software solution for processing and analyzing radar image data from mainstream spaceborne Synthetic Aperture Radar (SAR) sensors.

Characteristics	Automatic and high-accuracy SAR block adjustment
InSAR processing	Whole-process InSAR processing
Decomposition	50% hierarchical decomposition
Segmentation	Superpixel segmentation
Application modules	Water body extraction, coastline extraction, ship detection, land cover change detection

price on request



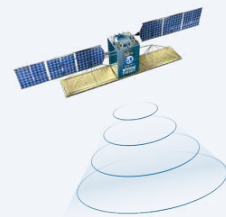
PIESAT INFORMATION TECHNOLOGY

PIE-SIAS

PIE-SIAS is an object-oriented scale-set image analysis software for interpreting and extracting information from multi-source remote sensing data.

Data processing	Powerful multi-source data processing capability
Segmentation	Unique image segmentation function with multiscale sample selection
Sample selection	Automatic sample selection
Extraction	Intelligent interactive information extraction
Post-processing	Convenient post-processing function
Performance	Fast processing speed

price on request



PIESAT INFORMATION TECHNOLOGY

PIESAT-01

PIESAT-01 is the world's first multi-baseline distributed InSAR satellite system, consisting of four X-band SAR satellites (1 main + 3 auxiliary) flying in formation for global high

Number of Satellites	4 X-band SAR Satellites (1 main + 3 auxiliary)
SAR Imaging Resolution (single-star spotlight mode)	up to 0.5m
SAR Imaging Resolution (multi-satellite stitching imaging mode)	up to 80km
Global Land-Scale Mapping Coverage	between 82.5° north and south latitude
Global Land-Scale Mapping Scale	superior to 1:50,000 scale
Surface Deformation Monitoring Accuracy	3mm-5mm per year
Data Product Levels	L0 to L6 (7 levels)

price on request

Contact PIESAT Information Technology

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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