

iQPS (Institute for Q-shu Pioneers of Space)

Japan · founded 2005 · i-qps.net/en

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PRODUCTS

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SERVICES

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as of 10 September
2026

iQPS (Institute for Q-shu Pioneers of Space)

Institute for Q-shu Pioneers of Space, Inc. (iQPS) is a Japanese space company headquartered in Fukuoka, founded in June 2005 by emeritus professors of Kyushu University and a former Mitsubishi Heavy Industries rocket engineer, building on more than two decades of small-satellite development experience at Kyushu University. The company designs, manufactures, launches, and operates its own constellation of small synthetic aperture radar (SAR) satellites, named QPS-SAR, providing high-resolution radar imagery of the Earth's surface day or night and in any weather. iQPS has launched a series of QPS-SAR satellites (named after Japanese deities, including IZANAGI, IZANAMI, AMATERU, TSUKUYOMI, SUSANOO, WADATSUMI, YAMATSUMI, KUSHINADA, YACHIHOKO, and SUKUNAMI), reaching commercial imaging resolutions as fine as 46 cm in Spotlight mode. The company's stated goal is to build a constellation of 24 satellites by May 2028 and expand to 36 satellites by 2030, enabling a Near-Real-Time Data Provisioning Service capable of observing specified regions almost anywhere on Earth at an average revisit interval of roughly 10 minutes. The company listed on the Tokyo Stock Exchange Growth Market in December 2023 and later reorganized under a holding company structure (QPS Holdings Inc.) in December 2025, with iQPS operating as the satellite development, manufacturing, and data-services subsidiary. iQPS works with more than 25 partner companies, mainly in the Kyushu region of Japan, and has raised significant funding rounds and government grants (including Japan's METI SBIR Phase 3 program) to fund its constellation buildout, alongside launch agreements with Rocket Lab for its Electron vehicle. iQPS offers its SAR imagery and tasking through a customer-facing console supporting new observat

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SERVICES

Services

Near Real-Time Data Provisioning Service

iQPS provides high-resolution and high-quality SAR images for designated targets, even at night or in bad weather, with a goal to offer near real-time data provisioning from a 36-satellite constellati

Product catalogue



iQPS (INSTITUTE FOR Q-SHU PIONEERS OF SPACE)
Console

The Console provides an intuitive interface for users to get started with and utilize iQPS's imaging services, including searching for imaging candidates and archived data.

price on request

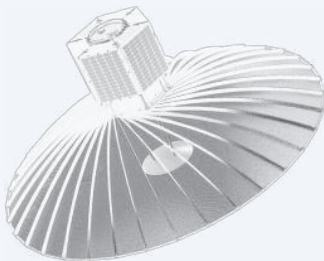


iQPS (INSTITUTE FOR Q-SHU PIONEERS OF SPACE)
iQPS SAR Microsatellite Constellation

iQPS's QPS-SAR microsatellite X-band constellation providing 46 cm resolution radar imagery for infrastructure monitoring and disaster response in Japan and globally.

SAR band	X-band
Resolution (Spotlight)	46 cm
Satellite mass	~100 kg
Antenna	Large deployable reflector (folded for launch)
Applications	Disaster response, infrastructure deformation, urban monitoring
Distribution partner	NTT Data (Japan)
HQ	Fukuoka (Kyushu), Japan

price on request



iQPS (INSTITUTE FOR Q-SHU PIONEERS OF SPACE)
QPS-SAR

High-resolution small synthetic aperture radar (SAR) satellite built and operated by iQPS for day/night, all-weather Earth observation.

Frequency	9.6 GHz (X-band)
Look direction	Left or right in direction of movement
Imaging mode	Stripmap Mode, Spotlight Mode
Antenna size	3.6 m (diameter)
Operational orbit	Sun-Synchronous Orbit (SSO) and Inclined Orbit
Bandwidth	Up to ~600 MHz
Peak radiated power	2,000 W

price on request



iQPS (INSTITUTE FOR Q-SHU PIONEERS OF SPACE)
SAR Data Use Cases

iQPS provides Synthetic Aperture Radar (SAR) data observation examples, showcasing its application in disaster monitoring and environmental assessment.

price on request



IQPS (INSTITUTE FOR Q-SHU PIONEERS OF SPACE)

USE CASE

iQPS provides examples of Synthetic Aperture Radar (SAR) data observations, showcasing its capabilities in monitoring various events such as natural disasters and environmental cha

price on request

Contact iQPS (Institute for Q-shu Pioneers of Space)

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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