



Anytime, Anywhere

OBSERVE THE EARTH

36 small SAR satellite constellation enables every 10 minutes observation almost anywhere in the world.

Institute for Q-shu Pioneers of Space, Inc. (IQPS) was founded in 2005 by emeritus professors at Kyushu University with the goal of establishing a space industry in Kyushu. Quick development of small satellites is our strength, supported by more than 25 partner companies all over Japan, mainly in northern Kyushu, based on Kyushu University's satellite development technology.

iQPS has successfully developed the small radar satellite QPS-SAR, which provides SAR image with the world's best class resolution and image quality, even at night and/or in bad weather. iQPS aims to establish 36 QPS-SAR satellite constellation which enables to observe almost anywhere in the world at average intervals of 10 minutes.

Features of QPS-SAR Constellation

1 Constant monitoring every 10 minutes regardless of weather or time

The 36 QPS-SAR satellites phased into inclined orbits use radar to observe the surface of the earth every 10 minutes, even when it's cloudy and/or at night.



2 World best class resolution and image quality

QPS-SAR achieves the world's best class of resolution, with 1.8m(Az)×0.46m(Rg) in Stripmap mode and 0.46m(Az)×0.46m(Rg) in Spotlight mode.



3 Satellite processing function for prompt delivery after observation

The latest technologies such as onboard image processing and inter-satellite communications are equipped for QPS-SAR which enable high-speed distribution of SAR data (compressed).



	sunny	cloudy	rainy	night
Optical Cameras/Sensors	○	×	×	×
SAR Synthetic Aperture Radar	○	○	○	○