

Sci-tech

Text: A A A

Print

Most popular in 24h

High-resolution satellites begin operation

2017-01-13 09:00 China Daily Editor: Li Yan ECNS App Download

1



Potala Palace in Lhasa, Tibet autonomous region, is shown in an image released by the SuperView network.
(Provided to China Daily)

China's first commercial high-resolution Earth observation satellite network has begun to operate, its developer said.

China Aerospace Science and Technology Corp, the country's major space contractor, has released several images taken by SuperView 1A and 1B, the first two satellites of the SuperView system.

The images show the Potala Palace and a local convention center in Lhasa, capital of the Tibet autonomous region, as well as the Hong Kong Convention and Exhibition Center.

The SuperView 1A and 1B were lifted atop a Long March 2D carrier rocket on Dec 28 from the Taiyuan Satellite Launch Center in Shanxi province. They entered preset orbits on about Tuesday and have sent more than 1,200 ground images back to the control center, according to the State-owned CASC.

The two are operating at an altitude of 500 kilometers above the Earth, with a panchromatic resolution of 0.5 meters and multispectral resolution of 2 meters, said Zhang Xiaomin, a senior researcher at the company's China Academy of Space Technology, who oversees the system's development.

Zhang said that compared with foreign commercial Earth observation satellites, SuperView satellites have better resolution, accuracy and coverage.

China now operates the Gaofen network that has four satellites in service, but the system mainly serves government departments and the public sector rather than businesses, said Yang Yike, director of high-resolution satellite projects at CASC.

The two identical satellites are part of the SuperView network of at least 24 Earth observation satellites, which CASC expects to become one of the world's largest commercial providers of space imagery and geospatial data, Yang said. He added that the whole system will be built by 2022.

Once the network is completed, it will consist of 16 optical satellites like the SuperView 1A and 1B, four optical satellites that are more advanced, four radar satellites and several mini-satellites, according to Yang.

f Follow us on Facebook

Follow us on Twitter

China's aircraft carrier formation passes through Taiwan Strait

Photographer captures amazing moments in nature

China issues work policy for foreign graduates

China issues five-year plan on overseas Chinese affairs

No basis for online 'coldest winter' rumor: Met bureau

Top news

More

Foreign oil dependency up

S China Sea threat a lesson, experts say

China, Russia agree to further respond to THAAD deployment

Slower tax revenue growth reported

South China customs seizes 60 tons of smuggled gemstones

Video

More



China, Japan, South Korea gather for FTA talks

Related news

Gaofen-3 Earth observation satellite launched	2016-08-10
China's Earth observation satellite assists Ecuador quake relief	2016-04-22
China releases images captured by HD earth observation satellite	2016-02-04

Photo

More



Couple win 114 million Euro Jackpot



Wild giant panda found near SW China village



PLA Navy commissions latest electronic reconnaissance ship



Heading home for the holidays



Icy road challenges vehicles in South China



China prepares for upcoming Spring Festival travel rush

News

- Politics
- Business
- Society
- Culture
- Military
- Sci-tech
- Entertainment
- Sports
- Odd
- Features

Biz

- Economy

Travel

- Travel News
- Travel Types
- Events
- Food
- Hotel
- Bar & Club
- Architecture
- Gallery

Photo

- CNS Photo

Video

- Video

Learning Chinese

- Learn About China
- Social Chinese
- Business Chinese
- Buzz Words
- Bilingual
- Resources

ECNS Wire

- Special Coverage
- Infographics
- Voices

Media partners: People's Daily Online | Xinhuanet | China.org.cn | ChinaDaily.com.cn | CNTV | Globaltimes.cn | CRIEnglish.com | ShanghaiDaily.com | JSCHINA | China Military Online | Taiwan.cn | Sina English | Caijing | Caixin Online | CE.cn | GMW.cn | Women of China

Links | About Us | Jobs | Contact Us | Privacy Policy

Back to top



Copyright ©1999-2016 Chinanews.com. All rights reserved.
Reproduction in whole or in part without permission is prohibited.

