

NEWSPACE MARKET · COMPANY PROFILE



MinoSpace

China · founded 2017 · minospace.cn

23

PRODUCTS

newspacemarket.com/companies/minospace-weina-xingkong/

as of 20 August 2026



MinoSpace

MinoSpace (Beijing MinoSpace Technology Co., also known as Weina Xingkong) is a Chinese commercial satellite manufacturer founded in August 2017 and headquartered in Beijing. The company designs, manufactures, and operates small satellites for Earth observation and communications, spanning its Taijing-3 and Taijing-4 satellite series used for high-resolution optical and remote sensing imagery. Beyond complete satellite platforms, MinoSpace produces key subsystems and payloads including optical cameras of varying resolution and spectral bands, satellite attitude control computers, reaction wheels, SAR antenna hinges, and dampers. The company also builds ground segment infrastructure, including Ka/Ku and X-band TT&C stations and the portable MinoPad satellite communication terminal. MinoSpace operates dedicated manufacturing facilities including an Optical Payload Manufacturing and AIT Center in Changchun, a Commercial Satellite Intelligent Production Line in Wuxi, and an Advanced Equipment Manufacturing Laboratory in Beijing, positioning the company as a vertically integrated supplier across the full satellite value chain from components to finished spacecraft.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

Product catalogue



MINOSPACE
0.3 N·m·s Reaction Wheel

This reaction wheel is an actuator for satellite attitude control systems, designed to generate reaction control torque by accelerating or decelerating to absorb angular momentum c

price on request



MINOSPACE
0.5m panchromatic(PAN) & 2m multispectral(MS) Camera

This Earth observation camera provides 0.5m panchromatic and 2m multispectral imagery with a swath over 12km, featuring high SNR and an integrated design for various remote sensing

Panchromatic Resolution	0.5m
Multispectral Resolution	2m
Swath	over 12km
Panchromatic SNR	≥40 dB
Multispectral SNR	≥43.5 dB

price on request



MINOSPACE
0.6 m Portable Monitoring Antenna

A 0.6 m portable ground antenna system for receiving downlink signals and automatically tracking non-geostationary orbit (NGSO) satellites.

Aperture	0.6 m
Turntable	High-speed, controlled by host computer software
Tracking mode	Automatic acquisition and tracking of satellite targets
Supported targets	Domestic and international NGSO satellite systems

price on request



MINOSPACE
0.9m panchromatic(PAN) & 3.6m multispectral(MS) camera

This is a high-resolution Earth observation imaging system with panchromatic and multispectral capabilities, featuring a 14.4km swath width and over 40dB SNR.

Panchromatic resolution	0.9m
Multispectral resolution	3.6m
Swath width	over 14.4km
Signal-to-noise ratio (SNR)	above 40dB

price on request



MINOSPACE
1.0m X-band portable station

A 1.0m X-band portable ground station for rapid deployment, enabling telemetry, tracking, and command (TT&C) operations with LEO and MEO satellites.

price on request



MINOSPACE
1.5m Ka-band portable TT&C and data transmission station

A portable 1.5m Ka-band ground station for telemetry, tracking, and command (TT&C) and data transmission with medium- and low-Earth orbit satellites.

price on request



MINOSPACE
1.8m Ka/Ku Dual-Band Portable Monitoring Antenna

A 1.8m portable Ka/Ku dual-band antenna system for TT&C and data transmission with medium and low-Earth orbit satellites, featuring automatic satellite tracking via TLE and GPS

price on request



MINOSPACE
10m-diameter flat-panel SAR antenna deployment mechanism

This product is a deployment mechanism designed for a 10m-diameter flat-panel Synthetic Aperture Radar (SAR) antenna, utilizing a passive spiral spring and a proprietary damper for

Deployment drive	Passive spiral spring
Damper	Company's self-developed
Antenna diameter	10m
Antenna type	Flat-panel SAR antenna
Post-deployment frequency	No less than 2Hz

price on request



MINOSPACE

1U visible light camera

A compact, lightweight, and low-power 1U visible light camera designed for microsats and nanosats, capable of capturing color images or video with 10m ground resolution

Ground resolution 10 m

price on request



MINOSPACE

2m panchromatic(PAN) & 8m multispectral(MS) camera

A 2m panchromatic and 8m multispectral camera launched into orbit on the MN30-1 satellite platform, designed for comprehensive remote sensing imagery.

Launch Date April 27, 2021

Satellite Platform MN30-1

Panchromatic Resolution 2m

Multispectral Resolution 8m

Weight approximately 2.67kg

Swath Width greater than 15.8km

price on request



MINOSPACE

5m panchromatic(PAN) & 8-Band multispectral(MS) camera

A 5m panchromatic and 8-band multispectral camera launched aboard the Wenchang-01/02 satellites for high-resolution Earth observation.

Panchromatic Resolution 5m

Multispectral Bands 8-Band

Launch Date February 27, 2022

Launch Vehicle/Satellite Wenchang-01/02 satellites
(primary payload of Wenchang-1)

Mass approximately 6.5kg

Swath Width greater than 115 km

price on request



MINOSPACE

Changchun Optical Payload Manufacturing AIT Center

The Changchun Optical Payload Manufacturing AIT Center specializes in the design, development, testing, and validation of large-aperture optical remote sensing satellite payloads,

Integrating Sphere Diameter 3-meter

Three-axis Toolmaker's Microscope JS B7153 Standard

price on request



MINOSPACE

Damper

A fully mechanical damper designed for controlled slow deployment of passive mechanisms in space applications.

price on request



MINOSPACE

MinoPad portable station

The MinoPad portable station is a lightweight Ku-band satellite communication solution with a 0.3m equivalent-aperture antenna, designed for high-throughput satellite applications.

Antenna type	0.3m equivalent-aperture Ku-band antenna
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Operation time without external power	2–3 hours
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price on request



MINOSPACE

MinoSpace Advanced Equipment Manufacturing Laboratory

The MinoSpace Advanced Equipment Manufacturing Laboratory is a comprehensive facility in Beijing for commercial satellite testing and development, integrating testing, experimental

Total area	nearly 5,000 square meters
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Vibration table capacity	up to 1000 kg
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EMC chamber dimensions	14m (L) x 12m (W) x 10m (H)
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Thermal vacuum chamber effective temperature range	±200°C
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Thermal vacuum chamber effective test diameter	3.6 meters
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price on request

MINOSPACE

Minospace Commercial Satellite Intelligent Production Line

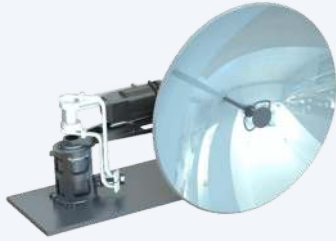
The Minospace Commercial Satellite Intelligent Production Line is a 48,600 m² facility in Wuxi, Jiangsu, designed for efficient, high-quality, and low-cost satellite manufacturing.

Facility Size	48,600 m ²
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Location	Wuxi, Jiangsu
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Integrated Capabilities	Advanced satellite assembly, intelligent production, R&D, and flight control
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price on request



MINOSPACE

Payload Antenna System

A payload antenna system designed for inter-satellite laser links, user beams, and gateway stations, providing uplink and downlink channels for telemetry, tracking, and control (TT

price on request



MINOSPACE

Satellite Attitude Control Computer

A 3U board-sized attitude control computer for small satellites (50-200kg) that handles attitude information acquisition, adjustment, and control.

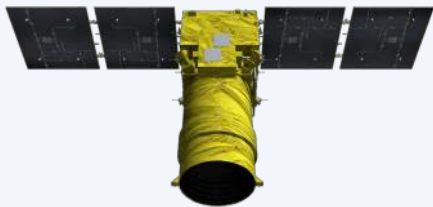
Board Card Size

Standard 3U

Suitable for Satellite Weight

50-200kg

price on request



MINOSPACE

Taijing-3/01 satellite

The Taijing-3/01 is China's first 0.5m resolution remote sensing satellite developed by a private enterprise, featuring a modular small satellite architecture and electric propulsi

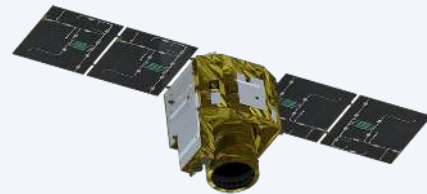
Resolution 0.5m

Total mass 240kg

Propulsion system Electric propulsion

Design life Over 5 years

price on request



MINOSPACE

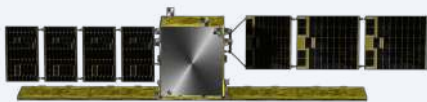
Taijing-3/04 satellite

The Taijing-3/04 is China's first agile high-resolution remote sensing satellite in the commercial space sector, featuring a 310kg mass and an independently developed camera payloa

Total mass

310kg

price on request



MINOSPACE

Taijing-4/01 satellite

The Taijing-4/01 is China's first commercial X-band SAR satellite, weighing approximately 350kg, capable of acquiring high-resolution radar images day and night and in all weather

Total mass approximately 350kg

price on request

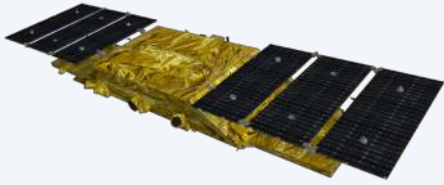


MINOSPACE

Taijing-4/02A satellite

The Taijing-4/02A is a high-resolution flat-panel SAR satellite capable of submeter image resolution and a maximum imaging swath exceeding 240km.

price on request



MINOSPACE

Taijing-4/03 satellite

The Taijing-4/03 is China's first commercial Ku-band phased-array radar imaging satellite, capable of submeter resolution imaging day and night in all weather conditions.

price on request

Contact MinoSpace

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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<https://www.minospace.cn>