

## 《中国研制小型多旋翼无人机，最高飞行高度5000米》

中国直升机研究与发展研究所周二表示，中国已经研发出一种X - M20 “Crane”，这是一种小型多旋翼无人飞行器，可上升至5000米。



China has developed an X-M20 "Crane," a small-size multi-rotor unmanned aerial vehicle (UAV), which can climb up to 5,000 meters, said the China Helicopter Research and Development Institute (CHRDI) Tuesday.

????????????????????????????X - M20"Crane"????????????????????5000??

The electric-powered small UAV features distinctive pitch control technique, which makes it unique in the UAV market, said China's leading helicopter research organ of Avicopter under the Aviation Industry Corporation of China (AVIC).

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X-M20, with the weight only 20 kilograms, is designed to have a service ceiling up to 5,000 meters and wind resistance capacity up to level seven.

X-M20????20????????5000???????

As to the outstanding endurance capacity, the small UAV can fly about one hour with its maximum payload of five kilometers.

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Typically, the multi-rotor aerial vehicle in the market is controlled by changing the rotating speed, while the X-M20 adopts pitch rotor control technique.

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X-M20 is controlled by changing the angle of rotors, thus the small UAV is endowed with higher efficiency, flexibility and wind-resistance capacities, CHRDI said.

CHRDI??X-M20????????????????????????????????????

It is configured with high-performance blades, which reduces its power consumption and noise level and makes it more capable of long-endurance flight.

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The small multi-rotor UAV could be used in multiple missions such as border patrol, anti-terrorism, line patrol, geographical surveys and traffic monitoring.

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China has become a major player in the global helicopter market. Avicopter has mastered more than 50 models in 12 series of helicopters, making it among the world's seven leading helicopter manufacturers.

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