

MoneyproM2

M2 is a high-performance PPK/RTK positioning module created by Viewpro for professional application fields such as UAV aerial survey; It integrates light appearance, industrial grade IMU, multi-star and multi-frequency satellite receiver, supports both RTK centimeter-level positioning navigation and RAW data recording for post-differential calculation. Supports shutter triggering and hotshoe synchronization. It adopts CAN bus protocol and is compatible with PX4/ArduPilot open-source flight controller. It can be applied to various specifications of multi-rotor, VTOL fixed wing, helicopter and other industrial use UAVs.



Built-in High Precision IMU



H7 Processor

**PPK
&
RTK**

Both Support RTK&PPK



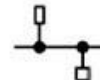
Support Hotshoe Trigger



Reduce Control Point



Multi-star Multi-frequency



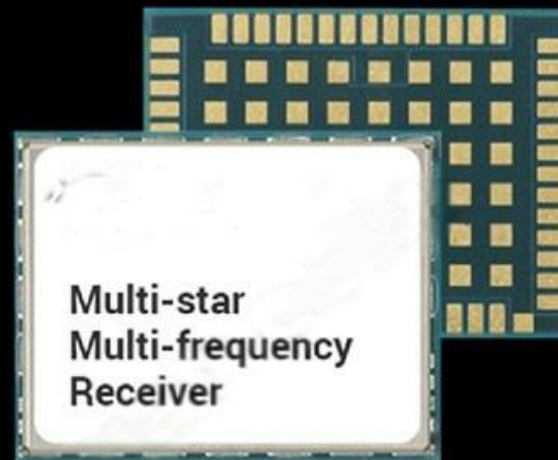
UAVCAN Protocol



48M/s Reading Speed

Multi-star Multi-Frequency High- Precision Positioning

Built-in u-blox F9P multi-star multi-frequency satellite receiver, support GPS, Beidou, Glonass, Galileo four satellite systems, and support the simultaneous reception of four satellite systems, positioning accuracy $\leq \text{rtk } 0.01\text{m} + 1\text{ppm}$ CEP.



GPS

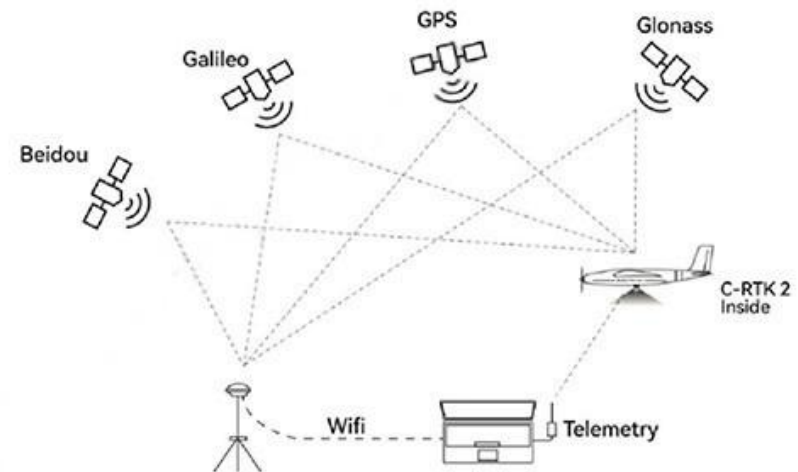
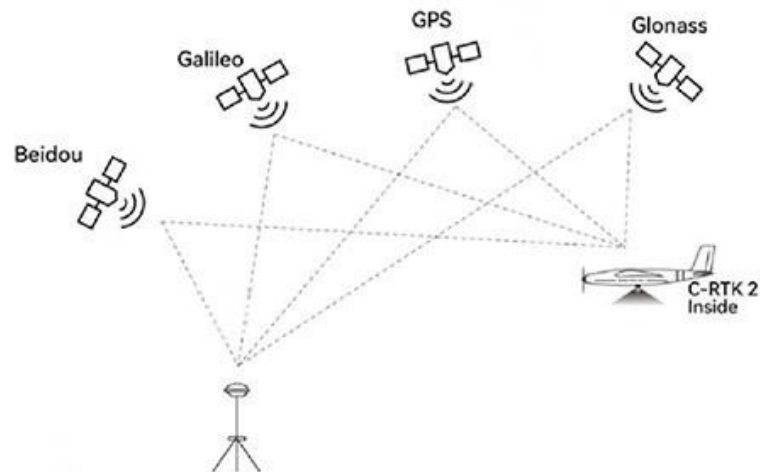
Beidou

Glonass

Galileo

Both RTK&PPK are Supported

- 2 supports both RTK and PPK functions and supports up to 25Hz raw data recording. It is very suitable for surveying and mapping, unmanned driving, unmanned vehicles, inspection, agriculture and other fields.





Before use C-RTK 2

After use C-RTK 2

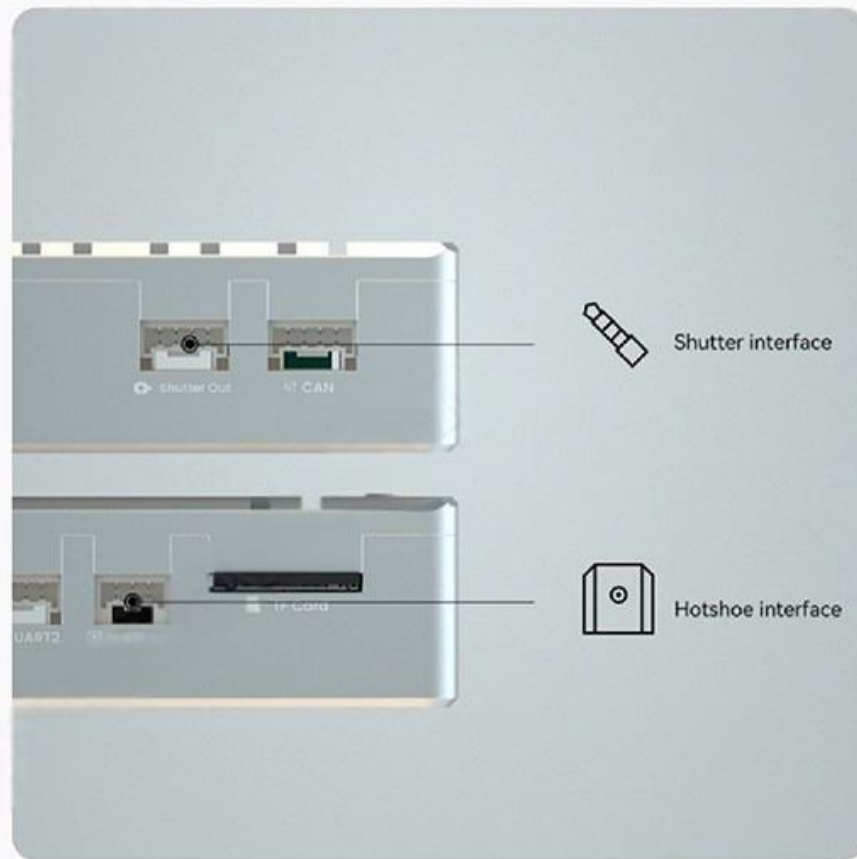
黃皮洞

水口



High Performance H7 Processor

2 uses STM32H7 processor, STM32H743 processor, Cortex-M7 core (with double-precision floating point unit), running frequency as high as 480MHz, 2MB Flash, 1MB RAM, running real-time system, enable 2 to work efficiently and stably



Support Shutter and Hotshoe Trigger

2 supports double triggering of shutter and hot boot at the same time, and obtains more accurate Pos data through real-time communication between hotshoe and camera.



Built-in High-Precision Industrial IMU

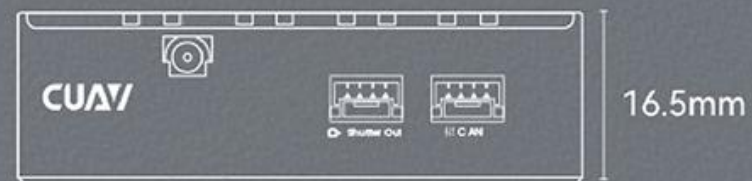
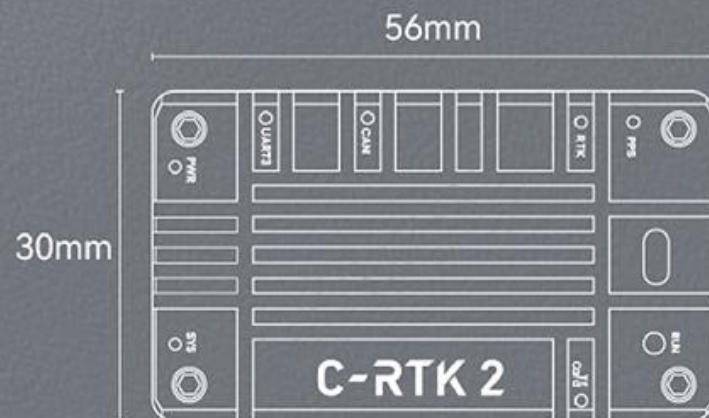
2 built-in high-precision industrial grade ICM-20689 accelerator & gyroscope, RM3100 electronic compass, ICP10111 barometer, can be configured for flight controller external IMU, and can be shot in the posture, rich information such as elevation is recorded in POS data.



High-Speed USB Reading

2 supports reading data on the memory card directly through the Type-C data cable connected to the computer, with a speed of up to 48 M/s. It supports up to 32G TF card, it can quick config by text file

Weight: 39g



Cannon 2.5mm shutter trigger cable
40cm

X 1



SONY USB shutter trigger cable
30cm

X 1



Antenna feeder line
50cm

X 1



Type-C cable

X 1



Multi-satellite and
multi-frequency helical antenna

X 1



Hot shoe PCB

X 1



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