



**LIGHT UAV VIDEO TRANSCIEVER
(TAILORED FREQUENCY & MULTIPLE NODES)**

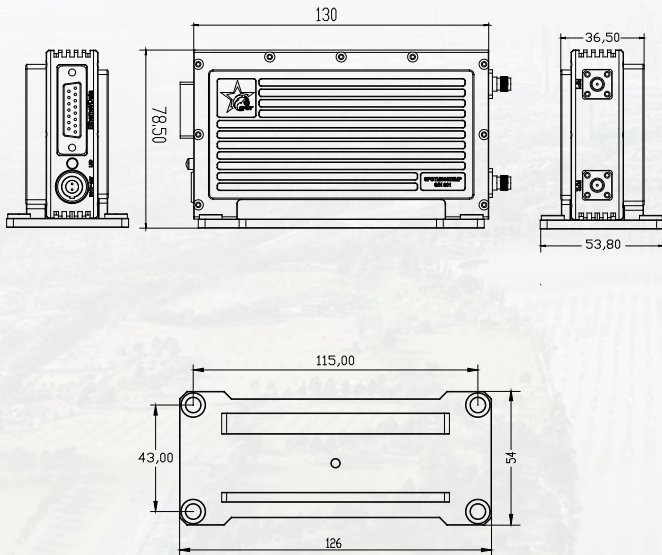
—— SFGT-HF0202UA



Model: SFGT-HF0202UA

SFGT-HF0202UA adopts Safe Guard's (SFGT) key technology of COFDM modulation as its core, allowing a group of mesh nodes to form a seamless and extremely secure private network in either line of sight (LOS) or none line of sight (NLOS) and fast moving conditions.

With its strong hopping frequency feature, it can hop 1200 times per second, it is very suitable for uavs to realize anti-interference in the complex warfare environment, this feature makes telemetry data and remote video transmit more stably and safely.



Parameters

Transmission feature

Transmitting power: 2W (Customizable)

Frequency: 300M-5.9G (Customizable)

Bandwidth: 1/2/5/10/20/40MHz (Adjustable)

Nodes: 32/64/128(Customizable)

Transmission range: > 70KM

Power supply

Operation voltage: 12V/1.6A

Data rate: 40 Mbps

Signal feature

Interface: SMA/USB 2.0/RS422/RJ45/HDMI/SBUS(Customizable)

Sensitivity: -106dBm

Baud rate: 115200bps (adjustable)

RF connector: N type

Encryption: AES128 / AES256/user defined

Physical feature

Operation temperature: -20°C ~ +55°C

Storage temperature: -40°C ~ +70°C

Size: 130×78.5×36.5mm

Weight: <450g/pc

- ◆ Low delay video & data transmission
- ◆ Great cooling system
- ◆ Parameters setting easily
- ◆ Configurable channel bandwidth 1/2/5/10/20/40MHz
- ◆ 128/256-bit AES encryption
- ◆ Strong anti-interference ability
- ◆ Long-distance data and video transmission in areas with rough terrain



Shenzhen Safe Guard Co., Ltd.

COFDM SPECIALIST
Mobile Video & Data Wireless Communication

Founded in 1999, SHENZHEN SAFE GUARD CO., LTD(SFGT) is a pioneering global technology corporation. The company has a strong technical and R&D team, and has been committed to wireless IP MESH, COFDM and tactical network dynamic communication. The company's R&D and manufacturer backbone comes from the former state-owned factory 806 as well as CECT group No.54. The products are widely utilized in radar, public security systems, unmanned equipment, land, sea, and air forces, as well as electronic countermeasures.

We have a dedicated design team for developing FPGA systems, and we can offer customers full product solutions in the areas of FPGA, high-speed digital circuits, embedded software systems, digital signal processing, and software radio communication technology, including hardware circuit design, FPGA algorithm and logic development, operating system porting, and underlying drivers. The business owns (Rohde & Schwarz) spectrum analyzers, vector network analyzers, and other high-precision testing tools. We strictly adhere to the national military standard for quality management systems in our design and production, and have the flexibility to support frequency range from 8KHz to 40GHz. Also, we are constantly concerned about the ever-changing market needs.

With our handheld IP MESH and vehicle mounted Tactical Network Radios, we are a world leader in wireless MESH and provide customers with faultless pre-sales, in-sales, and after-sales technical solutions. Our products are sold all over the world, with the majority of them being sent to Europe, the Middle East, Southeast Asia, South America, Africa, and other nations. We look forward to developing lasting business partnerships with clients worldwide.

Contact Us

Telephone: +86 0755 82908961/89484065

Fax: 0755-23731943

Email: Contact@szsfgt.com

Website: www.hksfgt.com

Address: Room L, Floor 21st, Block C Building NO.9, Baoneng Science & Tech Park,
Longhua Dist., Shenzhen, China.