Hand-held Ground Control Station

T26

T26 is military-grade portable command and control platform in high integration of Panasonic FZ-M1 and video&data&RC link. It provides the function such as mission planning, attitude control, payload control, remote monitoring, real-time video display, etc.

To ensure high-performance and convenient operation, features of T26 includes sunlight-readable, multi-touch display, lightweight, 16 channels, window 10 operating system and strong hardware enabling the scalability.

The rugged, water and dust-proof design, is especially suitable for the operation in the harsh environment.

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T26

Computer: Panasonic FZ-M1

Windows 10 operation system

Intel core processor

Sunlight readable, brightness 800cd/㎡

All weather IP65 water and dust-resistant desgin

Military grade GCS

Design

Aviation grade aluminium alloy housing, rugged and light

Overall weight: only 1.5kg

Soft rubber around for slip and knock resistance

A better hand feeling

Dual expansion interfaces

Dual USB 3.0, a convenient expansion

Perfect telemetry and remote control function

16 programmable channels (including 2*pull wheel and 2*hall effect joystick)

F1-10 programmable switches

USB HID device access

10km remote control range

40ms remote control latency

CHINOWING

Quick charge with high power

64w power supply, the waterproofing protection
for charging hole

DC IN 16V

Hall effect joystick

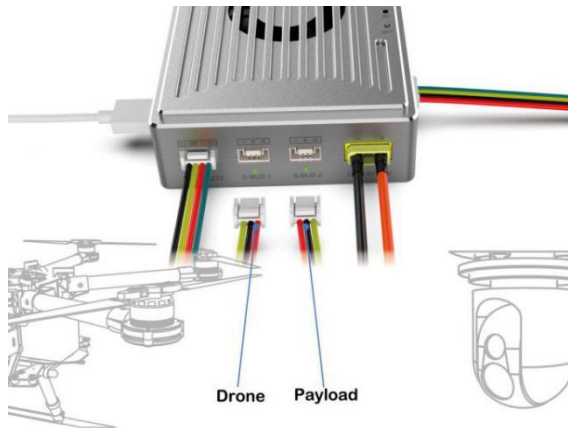Luminous alloy button

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Large capacity battery

Long endurance

Telemetry and remote control
about 9h

Web browsing
about 12h

Airborne unit V21

Dual S-BUS

Able to control both the drone and the payload

Drone   Payload

USB
(Visual web
page configuration)

RS232/TTL

RS232/TTL

Data transmission can choose RS232/TTL interface, baud rata adjustable
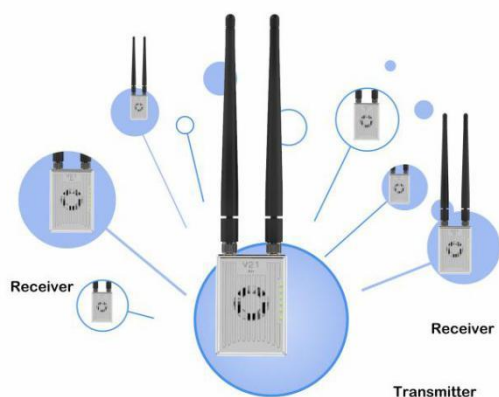
Networking Mode

Support point-to-point, point-to-multipoint, the center node can communicate with any node, support 16 nodes Max.

LAN interface

Support H.264/H.265 video input
Bandwidth: 3MHz/5MHz/10MHz/20MHz
Compatible with all the network protocol

Parameters

T26 GCS

Dimensions	
Overall weight	1500g
Dimension	30cm*15.8cm*4cm
Screen size	7inch sunlight readable touch screen, 1280*800, 800nits
Computer Peripherals	
Computer	Panasonic tablet FZ-M1(CPU: Intel i5 7Y57)
Touch pad	10 point capacitive touch screen
Operating system	Windows10
RAM	8GB
SSD storage	256GB
Network	WIFI&Bluetooth&4G

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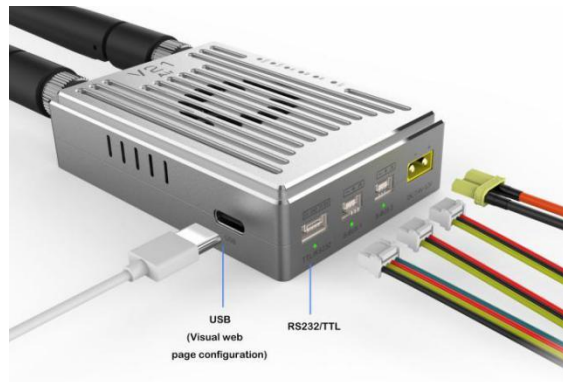Website: www.chinowing.com Email:hesa@chinowing.com Tel.:+8615889669357

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Interface	USD3.0*2
Remote Control	
Physical channel	16
	Main Joystick*2 (Industrial joysticks) Pull wheel*2 F1-F10 buttons (Each channel programmable, the user can assign each channel to preferred joystick, switch, button, etc)
Human interface	USB HID device
Remote control function	Dual SBUS independent output
SBUS port	SBUS OUT*2
Remote control latency	40ms
Battery Peripherals	
Battery capacity	7.4V/3220mAh(RC) 8.4V/6800mAh (computer)
Working time	9hs with full battery capacity
Charging port	DC16V
T26	
Operating	-20℃-+60℃

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Temperature	
IP rating	IP65
Communication Link	
V21	10km grade Video&telemetry&RC link

Airborne Unit

V21 LAN (10Km grade video&data&RC link, LAN video input interface)		
Item	Parameters	Description
Frequency band	800MHz(806-826MHz) 1.4GHz(1427.9-1447.9MHz) 2.4GHz(2401.5-2481.5MHz)	3 frequency modules in one, frequency can be modified in the software
Power	-40-25dbm	Adjustable
Transmission range	10km grade@LOS condition	Depend on environment
Communication mode	Point to point, point to multipoint	Star topology
S-BUS port	2*S-BUS ports	NA
Serial port	1*serial port(default: TTL; RS232 optional)	Full duplex, baud rate adjustable

CHINOWING

	(It can be extended by E11.)	
Video latency	20ms	Transmission latency from Tx to Rx
Encryption	AES128	
Power supply voltage	7.4-24V	NA
Operation current	300mA	12v power supply
Bandwidth	1.4-20M	1.4M/3M/5M/10M/20M
Video input/output	LAN	Connecting IPC device/PC
Power supply interface	XT30	
Antenna	2-4dB rod antenna	
Dimension	85mm*55mm*20mm	
Weight	100g(exclude antenna)	
Operation temperature	-10℃-+50℃	

E11 **Network Port Expansion** **Dock** **(It can work with V21 to** **extend the serial and LAN** **ports)** **(Optional)**	 3 serial ports, supports simultaneous use Level: TTL, RS232, RS232

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Power supply voltage	7.4v-24v
Serial port interface	TTL*1; RS232*2 (able to work simultaneously)
Serial port working mode	Support TCP Server, TCP Client, UDP Client, UDP Server, Httpd Client
Ethernet port	LAN*3
Weight	60g
Dimension	85mm*55mm*13mm
Operating temperature	-10℃～+50℃

T26 Tablet Instruction
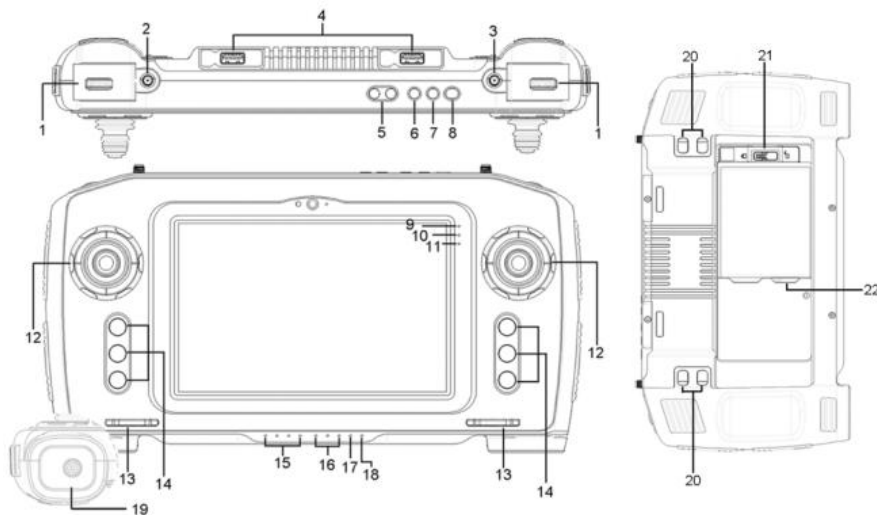
1. **Pull wheel*2 (corresponding to T5, T6)**

2. **A1 main antenna connector, used for transmitting and receiving signal**

3. **A2 auxiliary antenna connector, used for receiving signal**

4. **USB port*2 (USB3.0)**

5. **Computer volume button(loudspeaker volume +/-)**

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6. **Power ON/OFF button of the computer and RC, used for power on or power off the computer and remote controller**

7. **Screen rotation button, used for start or close the screen rotation function**

8. **Computer shortcut setting key ,used for setting up the utility programme in the computer**

9. **Computer working status indicator, indicating the computer working status**

10. **Hard drive indicator, indicating the hard drive working status**

11. **Computer power indicator, used for indicating the computer low battery and charging indicator**

12. **Main joysticks, corresponding T1, T2, T3, T4**

13. **Buckle*2, used for connecting neck strap**

14. **Buttons*6, corresponding to F1-F6**

15. **RC power indicator, each light indicating 25% battery capacity**

16. **Signal strength indicator, indicating data link signal strength**

17. **Tx indicator, Tx continuously ON means the data is being transmitted**

18. **Rx indicator, Rx continuously ON means the data is being received**

19. **RC/computer charging port, able to be powered by the adapter DC16V 4A**

20. **Button*4, corresponding to F7-F10**

21. **Computer battery latch**

22. **SIM card/SD card slot, used for install micro SIM card and micro SD card**

T26V21 Package Content

Main modules	
Ground Unit*1	**Airborne Unit*1**

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Accessories			
Adapter*1	GH 3pin *2	GH 4pin*1	LAN to 4pin wire*1
8.4V, Power for ground unit	V21 SBUS signal wire	TTL/RS232 signal wire	Used for connecting other device

Receiver upgrade configuration wire*1	Power cable*1	Antenna*4
Used for receiver firmware upgrade or parameters setting	Used for powering on the receiver (DC 7.4-12V, 2S-3S Li battery)	ZYJB antenna