

Hand-held Ground Control Station

T21



Integration of video, data transmission, remote control, telemetry data

The T21 hand-held ground control station is a portable industrial grade ground computer station with independent programmed dual SBus design.

T21 provides function such as mission planning, attitude control, payload control, navigation & positioning, remote monitoring, real-time video display, etc.

Industrial-grade computer and military grade data link ensures the safety and stability of the flight. Easy operation and transportation. It has been widely used in unmanned aerial vehicle, ground robots, bomb disposal robots, remotely operated vehicles (ROV) and other robotic devices.



- Main and secondary joysticks, programmable dual SBus independent output
- 10 linear channels meeting various control demand
- Multiple joystick options, left and right handed mode, back center mode, industrial hall effect joystick

- MIL grade computer with GPS
- Front and rear cameras that can do face verification to unlock the computer to secure aircraft controls.
- 7000mAH battery provides >4h endurance, TYPEC external charging port, easy for charging in the field.
- 4G network can provide remote transmission, WIFI, bluetooth and extended storage.



Parameters

Remote controller T21			
Overall weight	1000g	Dimension	300mm*160mm*40mm
Operation temperature	-10~+50℃	IP rating	IP53
RF power	0.1-1w(adjustable)	Remote control latency	30ms
Antenna	2dB rod antenna	Battery	3.7V/7500mAh
Endurance	4h	Package dimension	370mm*285mm*105mm
Network	WIFI/bluetooth/4G	Ground unit of video link	External connected

Channel	16	
	Main Joystick*2 ((left and right handed mode/ back to center mode/Hall effect)	
	Auxiliaryjoystick*2	
	3-position switch*4	
	Knob *2	
Interface	Key button*2	
	SBus port	Dual SBUS ports with HID input
	External interface	USB2.0
	Charging port	TYPC 5V
Computer		

Display Screen	8inch
	1280*720
	Brightness: 350CCD
CPU	Intel Cherry Trail Z8350
Memory	2G/4G
Hard disk	32G/64G
Operating system	Win10(standard), Android7.1(optional)
Touch panel	10 point capacitive touch screen
Loudspeaker	Built-in

Airborne end

R20(5Km grade data link)		
Frequency	900MHz(902-920MHz)	
Transmission range	10Km@LOS condition	Depend on the environment
Power voltage	7.4v-12v	
Operation current	100mA@12v power supply	
Operation temperature	-10~+50℃	
RF power	0.1w-1w	
Antenna	2dB rod antenna	
Weight	43g(exclude antennas)	
Dimension	53mm*40mm*14mm	
Interface	Serial port*1	
	SBUS port*2	
	Power input interface*1	XT30

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