

Remote & Camera Suit

DATASHEET ver.1.0

Remote controller / Camera / Receiver / cable to fly control module / Antenna / USB Type-C Charger

Description

- The remote controller and camera suit is integrated into a unified system for seamless operation and real-time control. The remote controller allows the pilot to operate and navigate the drone by attitude mode or navigation Mode. The camera is crucial for aerial photography, video recording and first-person view (FPV) navigation.
- Made in China.

Suit Includes:

1. Remote controller x1 pc
2. Camera x1 pc
3. Camera holder x1 pc
4. Receiver x1 pc
5. Cable to fly control module x1pc
6. Antenna x2 pcs
7. USB Type-C Charger



Remote & Camera Suit

DATASHEET ver.1.0

Technical Specification

Remote & Camera Suit	
Parts nr.	RCS6301B1
Remote controller	
Dimensions	190x152x94mm
Weight	660g
Model	H12 PRO
Channels	12
Working Voltage	4.2V
Transmit Power (2.4 GHz)	Total $\leq 17.5\text{dBm}$ $16.0 \pm 1.5 \text{ dBm}@11\text{Mbps}$, 802.11b, Spectral Mask: $< -15 \text{ dB}$ $14.0 \pm 1.5 \text{ dBm}@54\text{Mbps}$, 802.11g, Spectral Mask: $< -25 \text{ dB}$ $13.0 \pm 1.5 \text{ dBm}@HT20$, MCS7, 802.11n, Spectral Mask: $< -28 \text{ dB}$ $13.0 \pm 1.5 \text{ dBm}@HT40$, MCS7, 802.11n, Spectral Mask: $< -28 \text{ dB}$
Frequency Range	2.400-2.483GHz
Multiplexing Technique	OFDM
Modulation Types	CCK, DQPSK, DBPSK
Transmit Speed	6.5-144Mbps
Receiver Sensitivity (2.4GHz)	$-94 \text{ dBm}@1 \text{ Mbps}$, PER $< 8\%$ $-85 \text{ dBm}@11 \text{ Mbps}$, PER $< 8\%$ $-70 \text{ dBm}@54 \text{ Mbps}$, PER $<10\%$ $-65 \text{ dBm}@HT40\text{-MCS7}$, PER $<10\%$
Battery	10000mAh
Working Time	6-20hrs
Power Supply Interface	USB Type-C
Communication Range	6–10 km (air-to-air, unobstructed environment) 1.2–1.5 km (ground-to-ground, open area)
Screen size	5.5 inch
Screen Resolution	1080P

Remote & Camera Suit

DATASHEET ver.1.0

Technical Specification

Receiver

Dimensions	51x41x13mm
Weight	14g
Model	R12 PRO
Channels	12
Working Voltage	4.5-5.5V
Working Current	400-800mA @5V