

Key Features



- The machine is small in size and light in weight
- Easy to carry (hide, disguise)
- It has strong anti-interference ability and non line of sight diffraction ability
- Low delay $\leq 300\text{ms}$
- The system adopts H.264 digital video coding standard Clear picture to HD 1080p effect
- Use COFDM(Coded Orthogonal Frequency Division Multiplexing : Coded orthogonal frequency division multiplexing)
- Diversity dual antenna reception, so that the real-time image clearer and smoother
- Applicable to the scene of the scene to monitor the car and other places. The volumesmall may do to camouflage equipment forensics, air operations, UAV image transmission wireless image transmission.

COFDM anti-electromagnetic interference performance:

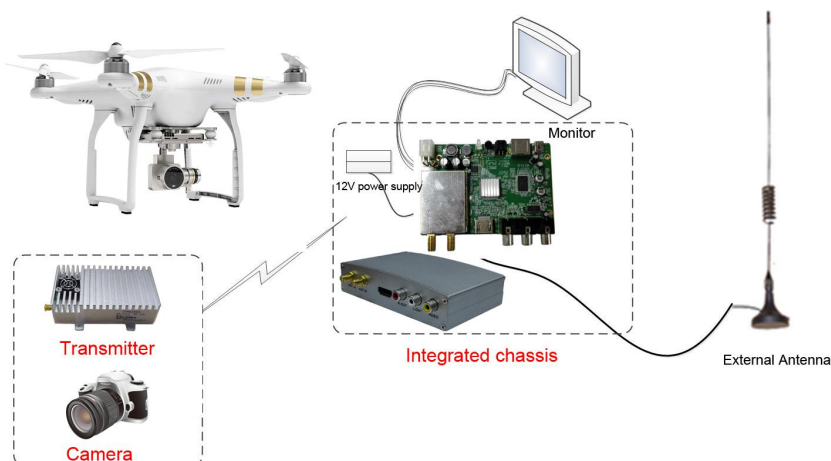
Excellent against frequency selective fading or narrowband interference and interference between signal waveforms. It has strong anti-fading capability through joint coding of each subcarrier. In a single carrier system (eg digital microwave, spread spectrum microwave, etc.), a single fading or interference can cause the entire communication link to fail, but in a multi-carrier COFDM system, only a small fraction of the subcarriers are subject to interference, and these The channel can also use error correction code for error correction to ensure low error rate of transmission.

COFDM anti-multipath fading performance:

Can effectively combat interference between signal waveforms, suitable for high-speed data transmission in multipath environments and fading channels. When frequency selective fading occurs in the channel due to multipath transmission, only the subcarriers that fall in the band recess and the information carried by them are affected, and the other subcarriers are not damaged, so the overall BER performance of the system is better.

Technical parameters

Model	SV-CF80P
Transmitters	
Working frequency	300MHz~1000MHz,Frequency customization
RF power	≤33dB
Channel bandwidth	2/4/6/7/8MHz
FEC	1/2,2/3,3/4,5/6,7/8
Protection interval	1/32,1/16,1/8,1/4
Stream	2Mbps~16Mbps
Time delay	≤300ms
Bit error rate	≤10 ⁻⁶
Transmission distance	Ground sight distance ≥3KM ,Air-to-ground≥30KM,NLOS≥1KM
Audio/Video Interface	HDMI
Encryption mode	AES128
Image	HD1080P/I,720P,SD
Power Supply	DC12V
Power consumption	14W
Size specification	L118*W66*H22mm
Weight	200g
Receivers	
Working frequency	300MHz~1000MHz
Channel bandwidth	2/4/6/8MHz
Sensitivity	8MHz@-97dBm
modulation mode	COFDM
RF interface	SMA
Audio/Video Interface	1CH HDMI,1CH CVBS
Image	1920*1080
Image frame	30,25,24fps
Power Supply	DC12V@0.3A
Size specification	115*75*25mm(L*W*H)
Notes: The receiver can customize the standard 1U chassis, portable and so on according to the customer's requirements.	



Technical parameters

Micro Transmitter	*1	Receiver	*1
power cord	*1	RF adapter cable	*2
Transmitting Antenna	*1	Receive Antenna	*2

