

COFDM HDMI Wireless Video Transmitter

Key Features



- Easy to carry It has strong anti-interference ability and non line of sight diffraction ability
- Low delay $\leq 300\text{ms}$
- The system adopts H.264/MPEG-2 digital video coding standard Clear picture to 720*576@25fps
- 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.
- Supporting bidirectional voice

COFDM anti-electromagnetic interference performance:

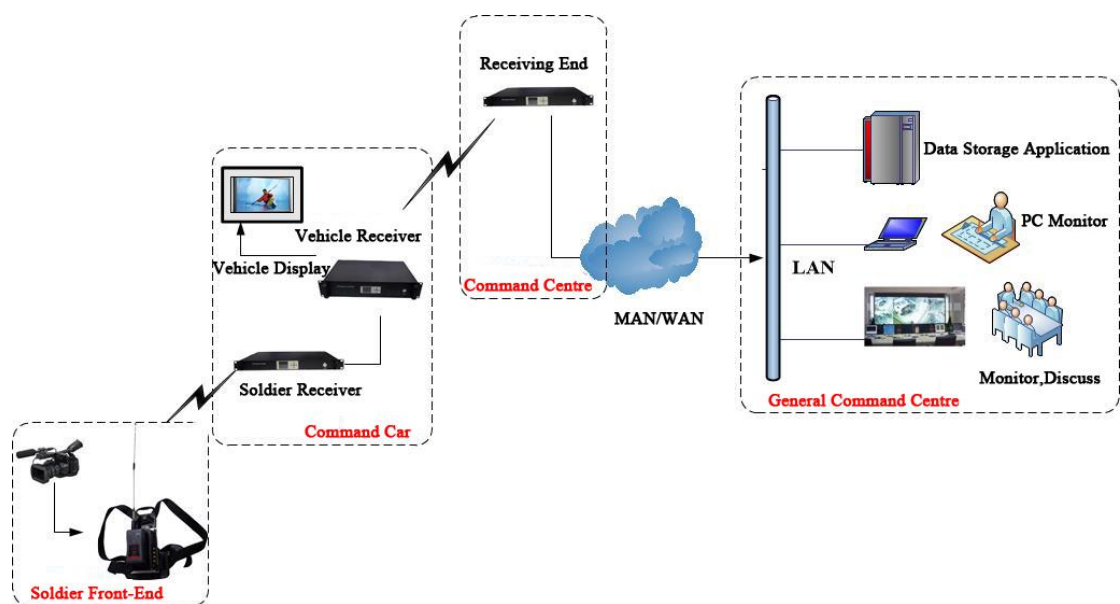
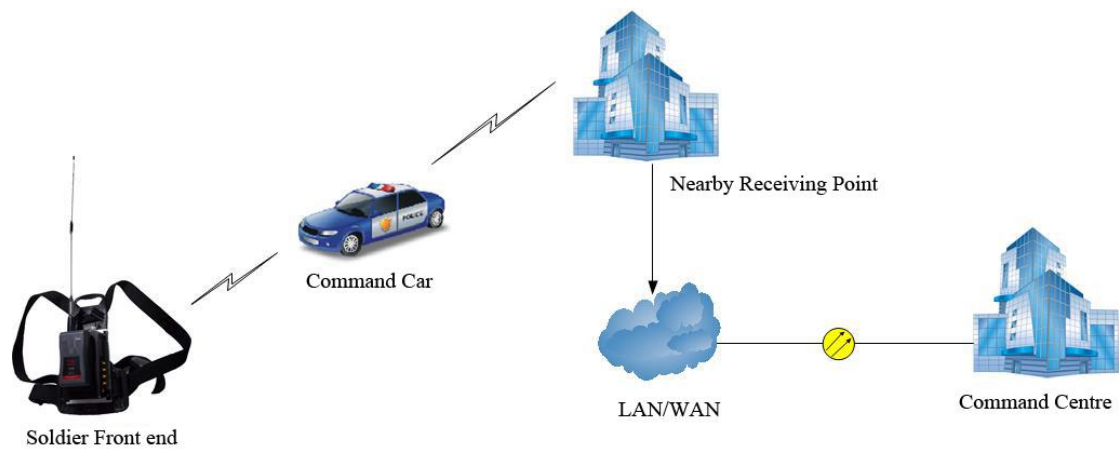
Excellent against frequency selective fading or narrowband interference and interference between signal waveforms. It has strong anti-fading capability through joint coding of each subcarrier. In a single carrier system (eg digital microwave, spread spectrum microwave, etc.), a single fading or interference 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-S220A
Transmitters	
Working frequency	300MHz~2400MHz,Frequency customization
Speech frequency	150~240MHz Frequency customization
RF power	1~5W,Adjustable
Channel bandwidth	2-8MHz
FEC	1/2,2/3,3/4,5/6,7/8
Protection interval	1/32,1/16,1/8,1/4
Stream	1.5Mbps~6Mbps
Time delay	≤330ms
Compressed format	H.264/MPEG-2
Transmission distance	Air-to-ground≥80KM,Sea surface≥40KM,city proper≥7KM,Suburb≥10KM
Audio/Video Interface	AV,Voice Interphone Interface
Image	720*576@25fps
Power	DC14.8V ,SONY V
Size specification	204*131*55mm,Not including batteries
Weight	1.6Kg,Not including batteries
Receivers	
Working frequency	300MHz~860MHz,Frequency customization
Speech frequency	150~240MHz,Frequency customization
Channel bandwidth	2/3/4/5/6/7/8MHz Stepping
Sensitivity	2MHz@-103dBm;2.5MHz@-102dBm;4MHz@-100dBm;8MHz@-97dBm
Receiving technology	Spatial diversity technique
Receiving polarization	Vertical polarization, dual antenna reception
Compressed format	H.264/MPEG-2
Audio/Video Interface	1 CH HDMI,2 CH Audio/video BNC,1 CH voice intercom interface
Network interface	Optional
Image	HD1080P,720P,480P,SD
Image frame	24,50,60/S,Compatible with other frame rates
Power Supply	AC220V/DC12V
Size specification	480*280*45mm, 1U Chassis
Weight	4Kg
Notes: The receiver can customize the standard 1U chassis, portable and so on according to the customer's requirements.	



Technical parameters

Transmitter	*1	Receiver	*1
Portable rack	*1	Receiver power cord	*1
Transmitting Antenna	*2	Receive Antenna	*2
Batteries (including chargers)	*1	MIC	*2
AV Cable	*1	BNC adapter	*4