VGA WIFI Camera WD8C25

Introduction

The Wi-Fi camera WD8C25 is designed for the FPV hobbyist. This camera provides high resolution video and images at VGA@20fps. The color and clarity of the image is superb, supporting MJPEG video compression technology, giving you the best picture possible and wireless FPV experience.

Main features

WIFI streaming video
Support Smart phone, Ipad devices
Support AP modes
Main interface: GPIO、UART
Working distance without obstacle and interference: 50m

Main application

Monitoring
RC tank, RC airplane etc
Intelligent home
Car Camera

Technical Index

WIFI	ITM1031
Antenna type	Dipole antenna
Image sensor pixel size	640x480 pixels
Lens module	1⁄4'' M6
Lens angel (deg.)	65 degrees
Flat cable length	27.0 mm
PCBA Board size L(mm) x W(mm) x T(mm)	18.0 mm *18.0 mm *1.0 mm

Video Compression scheme	MJPEG	
HD resolution recording	640x480 pixels 20fps	
Video streaming (p)	640x480 pixels 20fps	
Protocol / Standard	IEEE 802.11b/n	
Frequency Range	2.4-2.4835GHZ	
Modulation mode	OFDM/ CCK	
Transmission rate	54 / 48 / 36 / 26 / 19.5 / 13 / 11 / 5.5 / 1M	
Transmit power	54M	
Transmit power Receiver sensitivity	11M	13db
	54M	15db
Receiver sensitivity	11M	-72dBm@10%PER
Working voltage/ current	5.5M	-85dBm@8%PER
	1M	-88dBm@10%PER
	3.5-5.5V 220mA at 4.0v by idle mode, 200mA~400mA at 4.0v by real time video streaming	-90dBm@8%PER
Wire connector	VCC (Red Wire) GND (Black wire, close to red wire)	
Working temperature	0°C- 60°C	
Working humidity	10% -90% RH	
Storage temperature	-40°C---70°C	
Storage humidity	5%---90% RH	

Module Drawing

Operation introduction

Download the Free App that release by JH in Apple Store or Google Play.

Turn on our WD8C25 WiFi camera. The camera will take about 5 seconds to boot and power on.
On your phone/tablet, turn on WiFi and search for the hotspot in the WLAN list. The WiFi camera has a built in WiFi hotspot so no other WiFi network is needed.
NOTE: The camera will not link via Bluetooth – it is WiFi only.

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this

equipment.

The device must not be co-located or operating in conjunction with any other antenna or transmitter.

"FCC RF Radiation Exposure Statement Caution: To maintain compliance with the FCC's RF exposure guidelines, place the product at least 20cm from nearby persons."

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