

5.8G 32H SET Manual



RC832 TS5825 CAMERA

TS5825

MODE: TS5825						
5.8G 25mW 32 Channel AV Transmitter Module						
Modulate		Wideband FM Modulate				
Video Format		NTSC/PAL				
Characteristics		Value			Units	
		Min.	Typ.	Max.		
1	Output Impedance	---	50	---	Ohm	
2	Output Power	12	13	13.5	dBm	
3	Frequency range	Channel Frequency				
	FR1 or (A)	CH1	---	5865	---	MHz
		CH2	---	5845	---	MHz
		CH3	---	5825	---	MHz
		CH4	---	5805	---	MHz
		CH5	---	5785	---	MHz
		CH6	---	5765	---	MHz
		CH7	---	5745	---	MHz
		CH8	---	5725	---	MHz
	FR2 or (B)	CH1	---	5733	---	MHz
		CH2	---	5752	---	MHz
		CH3	---	5771	---	MHz
		CH4	---	5790	---	MHz
		CH5	---	5809	---	MHz
		CH6	---	5828	---	MHz
		CH7	---	5847	---	MHz
		CH8	---	5866	---	MHz
	FR3 or (E)	CH1	---	5707	---	MHz
		CH2	---	5685	---	MHz
		CH3	---	5665	---	MHz
		CH4	---	5645	---	MHz
		CH5	---	5885	---	MHz
		CH6	---	5905	---	MHz
		CH7	---	5925	---	MHz
		CH8	---	5945	---	MHz
	FR4 or (F)	CH1	---	5740	---	MHz
		CH2	---	5760	---	MHz
		CH3	---	5780	---	MHz
		CH4	---	5800	---	MHz
		CH5	---	5820	---	MHz
		CH6	---	5840	---	MHz
		CH7	---	5860	---	MHz
CH8		---	5880	---	MHz	

RC832

Specification:

1. Technical specification

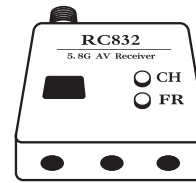
RC832 5.8G Wireless receiver	Sensitivity	≤ -90dBm
	Working Frequency	ISM 5.8GHz
	Available Channel	32CH
	Power supply	DC 12V
	Consumption Current	200mA, Max.
	Antenna Input Impedance	50ohm Typ.
	Antenna Connector	RP SMA
	Antenna Gain	2dBi
	Video Output Level	1.0Vp-p Typ 75Ω
	Audio Output Level	1.0Vp-p Typ 10KΩ
	Audio Carrier	6.5MHz
	Type Standard	NTSC/PAL
	Dimension (LxWxH)	80x65x15 mm
	Weight	85g

2. Features:

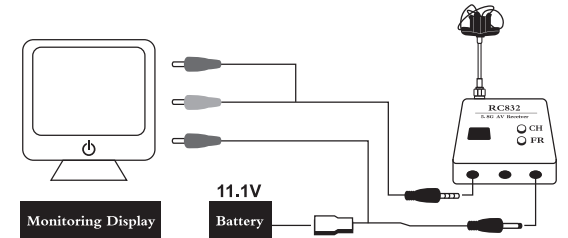
- 32 channels: Cover A, B, E bands and F band (Airwave band), 4 bands and all frequencies compatible;
- Two switching buttons: CH button for frequencies channels switching, FR button for frequencies bands switching;
- Two digital display: one for CH and the other for FR, real-time positioning which frequency band and which channel received;
- Power off memory: Replay the very last frequency band and channel
- Independent video and audio signal outputs

3. Operation Instructions:

A. Pin Description:



B. Application example



C. Channel and Digital tube display

Power on, press the "CH" button to change channel, "CH" digital display will change synchronously, "CH" digital display changes cyclically from 1 to 8.

D. Frequency and Digital tube display

Power on, press the "FR" button to change frequency band, "FR" digital display will change synchronously, "FR" digital display changes cyclically from 1 to 4. FR1 for A band, FR2 for B band, FR3 for E band, FR4 for F band (Airwave band).

E. Frequency and channel frequency table:

FR	CH	CH							
		CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
FR1	FR1 or (A)	5865M	5845M	5825M	5805M	5785M	5765M	5745M	5725M
	FR2 or (B)	5733M	5752M	5771M	5790M	5809M	5828M	5847M	5866M
	FR3 or (E)	5705M	5685M	5665M	5645M	5885M	5905M	5925M	5945M
	FR4 or (F)	5740M	5760M	5780M	5800M	5820M	5840M	5860M	5880M

4. Standard Accessories

- SMA Standard Type Dipole Antenna *2
- AV Output Cable *1
- Power cable for RC832 *1
- Power cable for TS832 *1
- User Manual *1

NOTICE:

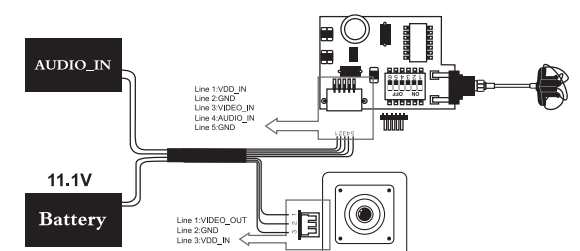
Please connect every part according to the instruction, please don't take down and refit this product.

CAMERA

Specification

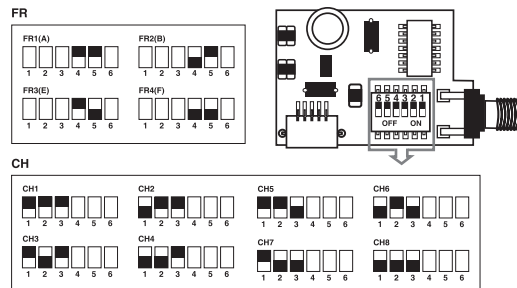
Sensor	1/3 Sony CCD Sensor
System	PAL
Effective Pixel	PAL: 752(H)x582(V)
illumination	0.01 Lux (F1.2)
Horizontal Resolution	480TVL
Video Output	1.0V p-p/75Ω
Operation Temperature	-20 °C to 50°C
Operation Humidity	85 % RH
Power	DC12V
Supply Current	70mA

Application example



4	Operating Voltage	7.0	12	24	V
5	Supply Current	---	80	---	mA
6	Operating Temperature	-10	---	+85	°C
7	Video Band Width	0	---	8.0	MHz
8	Audio Carrier Frequency	---	6.5	---	MHz
9	Video Input Level	0.8	1.0	1.2	Vp-p
10	Video Input Impedance	---	75	---	Ohm
11	Audio Input Level	0.5	---	2.0	Vp-p
12	Audio Input Impedance	---	10K	---	Ohm
13	Weight	---	10	---	g
14	Antenna Connector	RPSMA Connector			
15	Dimensions (L x W x H)	40x23x8mm			

Frequency and channel frequency table



FR	CH	CH							
		CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
FR	FR1(A)	5865M	5845M	5825M	5805M	5785M	5765M	5745M	5725M
	FR2(B)	5733M	5752M	5771M	5790M	5809M	5828M	5847M	5866M
	FR3(E)	5705M	5685M	5665M	5645M	5885M	5905M	5925M	5945M
	FR4(F)	5740M	5760M	5780M	5800M	5820M	5840M	5860M	5880M

Line 1:VDD_IN(7-24V)
Line 2:GND
Line 3:VIDEO_IN
Line 4:AUDIO_IN
Line 5:GND

