

# RF Video Transmission

## Transmitters Considered:

TS5828 Mini 48CH 600MW Transmitter

TS5823

**TS832 (Largest range, Receivers known, compatible with all 5.8ghz receivers, easy channel selection using buttons)**

### 1. TS5828 Mini 48CH 600MW Transmitter

#### QUICK OVERVIEW

1. **With LED Display**
2. Channels: 48CH
3. Frequency: 5.6GHz-5.9GHz
4. Video Bandwidth: 8M
5. Audio Bandwidth: 6.5M
6. Antenna: RP-SMA-Female
7. Covers A, B, C, D, H, L bands
8. Compact and lightweight
  9. Long range: **1~2km** with the stock antenna
  10. **600mW** power output

**₹ 1,249.00**

No. of Channels	48
Rated Power	600mW
Frequency(GHz)	5.6 to 5.9
Current(A)	0.19
Voltage(V)	7 to 24
Antenna	RP-SMA-Female
Video Bandwidth	8M
Audio Bandwidth	6.5M
Operating Temperature (°C)	-10 to 85
Antenna Length(mm)	106
Antenna Diameter(mm)	8
Module Size (LxWxH) mm	40x20x8
Weight(gm)	15

Receiver (nothing specified. Generic 5.8ghz receivers must work.)

## 2. TS5823 200mw 48CH Mini Transmitter

### QUICK OVERVIEW

1. Channels: 48CH
2. Frequency: 5.6GHz-5.9GHz
3. Video Bandwidth: 8M
4. Audio Bandwidth: 6.5M
5. Antenna: RP-SMA, SMA
  6. It has transmitter frequency of 5645-5945MHz with **200mW** power output
  7. It features transmitting distance of **1500m** in open area.

**₹ 1,290.00**

No. of Channels	48
Rated Power	200 mW
Frequency(GHz)	5.6 to 5.9
Current(A)	0.19
Voltage(V)	7 to 24
Antenna	RP-SMA SMA
Video Bandwidth	8M
Audio Bandwidth	6.5M
Operating Temperature (°C)	-10 to 85
Module Size (LxWxH) mm	40x20x8
Antenna Diameter(mm)	8
Antenna Length(mm)	106
Weight(gm)	15

(Less range and transmitter output power.)

Receiver (nothing specified. Generic 5.8ghz receivers must work.)

### 3. TS832 48Ch 5.8G 600mW Wireless Audio/Video Transmitter for FPV RC

#### QUICK OVERVIEW

1. Frequency control: built-in frequency and phase lock loop.
2. ANT connector: SMA(inside the needle).
3. Supply Voltage: 7-24 V
4. Current: 220 mA.
5. **48 CH compatible with all FPV 5.8g receivers.**
6. Smaller size with lighter weight.
7. 48 channels choice to get the best transmitting quality..
  8. Compatible with A, B, E, and F frequency bands
  9. 5.8G 600mW 48 Channels AV wireless FPV transmitter
  10. Super small **200mA current for 600mW** wireless transmitter power.
  11. 600mW transmitter power assures **5KM distance in open area, 5-8 KM** is available if work with the bigger gain antenna.

**₹ 1,564.00**

This is a high-quality TS832 48Ch 5.8G 600mw Wireless Audio/Video Transmitter for FPV RC transmitter which will give you more than a 5km range in an open, clear area. The unit is upgraded version TS832 32 channel, very easy to install with its plug & play prewired leads and also it has 48 channels in the 5.8G band.

**A great little feature is that it has a built-in digital display and a push button for easy channel selection. This feature also has a memory power off so it will remember the last channel when it is switched off.**

This 5.8G 48ch 600mW transmitter is compatible with other makes of receivers making this an excellent choice for your FPV model.

No. of Channels	48
Rated Power	600mW
Frequency(GHz)	5.6 to 5.9
Current(A)	0.22
Voltage(V)	7 to 24
Antenna	SMA
Operating Temperature (°C)	-10 to 85
Module Size (LxWxH) mm	54x32x10
Weight(gm)	22

Purchase Link: <https://robu.in/product/ts832-48ch-5-8g-600mw-5km-wireless-audiovideo-transmitter-fpv-rc/>

Video Quality and Range test video: <https://www.youtube.com/watch?v=XG4GaVDIrgM>

## Receiver (for TS832):

48 CH compatible with all FPV 5.8g receivers. Usually RC832 is used.

Purchase Link: <https://robu.in/product/rc832-plus-5-8g-av-receiver/>

### QUICK OVERVIEW

1. Operating Voltage: 12VDC
2. Working current: 200mA max.
3. Video format: NTSC/PAL auto.
4. Control Range: Approx 5 KM
5. 48 channels: Cover A, B, E, F, H bands and L bands.
6. Power off memory for last channel and band.
7. Dual Independent video and audio signal outputs.

**₹ 2,089.0**

The RC832 Plus 5.8G 48CH AV Receiver is all new 48 channel AV receiver. Small in size for easy integration into your ground station, but big in quality and features. **The receiver uses the same two-button interface as the TS832 Transmitter making channel swapping a breeze.**

There are two independent AV outputs for both audio and video. **So you can use a monitor and set of goggles or maybe a DVR to record your flight.**

Powering the receiver at the field is as easy as plugging in a **3 cell lipo** with the included prewired cable with mini JST.

Video: <https://youtu.be/pL-an2PwAzA>