

## **ST5XHPT**



## Description

ST5XHPT is a Economy mini HDMI Video and Data transmission COFDM system for UAV. It support HD720P video. It develops CABAC (H.265+TS) coding&decoding technology to achieve Utra-high resolution(720P), long distance(air to ground 5km) and low delay(12-25ms) transmission. The system supports (data&image) communication, adjustable video resolution, bit rate output with the TPlayer software. It can realize the soft decoding with low delay. Meanwhile this SUNTOR series products have small size, light-weight, low consumption, high stability and high sensitivity. They are suitable various environment of different application.

## **Features**

Video Input: HDMIResolution: HD 720P

• **Distance:** Air to ground 5km

• **Latency:** ≤12-25ms

Duplex Data Transmission: TTL-RS232/485

Dimension: 73\*48\*14mmWeight: TX 58g/RX 58g

Frequency	2.4GHz(2.402-2.478GHz)
Error Detection	LDPC FEC/Video H.264/265 Super Error Correction
RF Transmitted Power	27dbm (Air to ground 5km)
Power Consumption	TX: 7Watts
	RX: 5Watts
Frequency Bandwidth	2/4/6/8MHz
Latency	≤12-30ms
Video Color Space	Default 4:2:0 optional: 4:2:2/4:4:4
Antenna	1T1R



Video Input/output Interface	HDMI mini TX/RX, or transform FFC to HDMI-A RX/TX
Video Compressed Format	H.265 +TS
Bit rate Adjustment	DIP or SPI2MCU
Encryption	WEP, WPA(PSK), WPA2(PSK), WPA+WPA2 (PSK)
Transmission Distance	Air to ground 5km
Start-up time	< 25s
Two-way function	Support video and duplex data simultaneously
Data	Support Duplex TTL RS232/485 Data Transmitting
Power supply	DC 7- 18V
Transmission Rate	3-5Mbps
Receiving Sensitivity	-100dbm@4Mhz
Interface	720P HDMI Mini RX x1
	S1 TTL bidirectional serial port x1
	RF SMA
	Power Input x1
Indicator Light	HDMI input/output Status
	Transmitting and receiving
	Video board working Status
	Power
Temperature Range	Operating temperature: 0°C ~+ 85°C
	Storage temperature: -10°C ~+ 90°C
Appearance Design	CNC technology/ double aluminum alloy shell with waterproof design
Dimension	73×48×14mm
Weight	Tx: 58g/Rx: 58g

## **Package**

