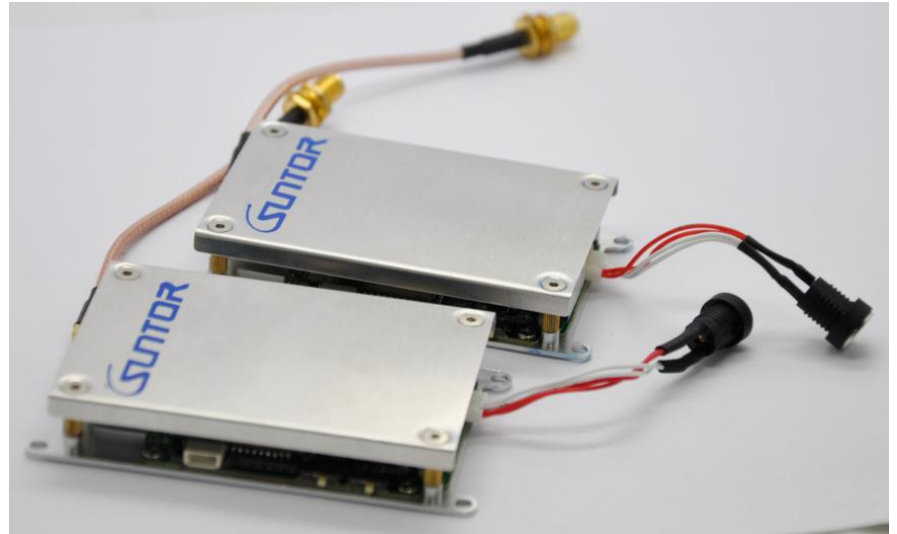


## ST5XHPT

### 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 Ultra-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.



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### Features

- **Video Input:** HDMI
- **Resolution:** HD 720P
- **Distance:** Air to ground 5km
- **Latency:** ≤12-25ms
- **Duplex Data Transmission:** TTL-RS232/485
- **Dimension:** 73\*48\*14mm
- **Weight:** TX 58g/RX 58g

<b>Frequency</b>	2.4GHZ ( 2.402-2.478GHz)
<b>Wireless Fault-tolerant</b>	LDPC FEC
<b>RF Transmitted Power</b>	27dbm (Air to ground 5km)
<b>Power Consumption</b>	TX: 7Watts
	RX: 5Watts
<b>Frequency Bandwidth</b>	2/4/6/8MHz
<b>Latency</b>	≤12-30ms
<b>Video Color Space</b>	Default 4:2:0 optional: 4:2:2/4:4:4
<b>Antenna</b>	1T1R
<b>Video Input/output Interface</b>	HDMI mini TX/RX, or transform FFC to HDMI-A RX/TX
<b>Video Compressed Format</b>	H.265 +TS
<b>Bit rate Adjustment</b>	DIP or SPI2MCU
<b>Encryption</b>	WEP, WPA(PSK), WPA2(PSK), WPA+WPA2 (PSK)
<b>Transmission Distance</b>	Air to ground 5km

<b>Start-up time</b>	< 25s
<b>Two-way function</b>	Support video and duplex data simultaneously
<b>Data</b>	Support Duplex TTL RS232/485 Data Transmitting
<b>Power supply</b>	DC 7- 18V
<b>Interface</b>	720P HDMI Mini RX x1
	S1 TTL bidirectional serial port x1
	RF SMA
	Power Input x1
<b>Indicator Light</b>	HDMI input/output Status
	Transmitting and receiving
	Video board working Status
	Power
<b>Temperature Range</b>	Operating temperature: 0°C ~+ 85°C
	Storage temperature: -10°C ~+ 90°C
<b>Appearance Design</b>	CNC technology/ double aluminum alloy shell with waterproof design
<b>Dimension</b>	73×48×14mm
<b>Weight</b>	Tx: 58g/Rx: 58g

## Package

