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## Specification:

### IO

HD Video input	
AHD Video input	
TTL UART data	
TTL UART control	4PIN PH1.25mm Connector
Power in	2PIN PH2.0mm Connector
RF output	IPEX

### Modulation

Modulation Formats	COFDM(DVB-T)
Carriers	2K
Bandwidth	Configurable from 1MHz to 8MHz, step by 1KHz
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Guard interval	1/32, 1/16, 1/8, 1/4
Constellation	QPSK, 16QAM, 64QAM
Bitrates	0.5Mbps to 31.67Mbps

### RF

Frequency Bands	
Tuning Step size	1KHz
Power out	Configurable from -93dBm to -5dBm(subject to frequency)

### Video and Audio

Video input	SDI or AHD(AV compatible), auto-detected after system start-up
Video formats	1080@60P, 1080@50P, 1080@30P, 1080@25P, 1080@24P, 1080@60I, 1080@50I, 1080@30I, 720@60P, 720@50P, 720@30P, ..... 720*480 60I(NTSC), 720*576 50I(PAL) AHD 720P@25P/30P, AHD 1080P@25P/30P
Video Coding	H.265
Audio input	Embedded SDI or AV audio(Specify Mic in/Line in)
Audio Coding	AAC, 16bit, stereo, 32Kbps
Encryption	AES256

\*AHD: Analog High Definition

### Monitoring and control

Comprehensive setup with Sihid Config Panel or other device via control UART.

### Temperature range

Full specification: 0° to +70°C Ambient

Storage: -40° to +80°C

### Dimensions

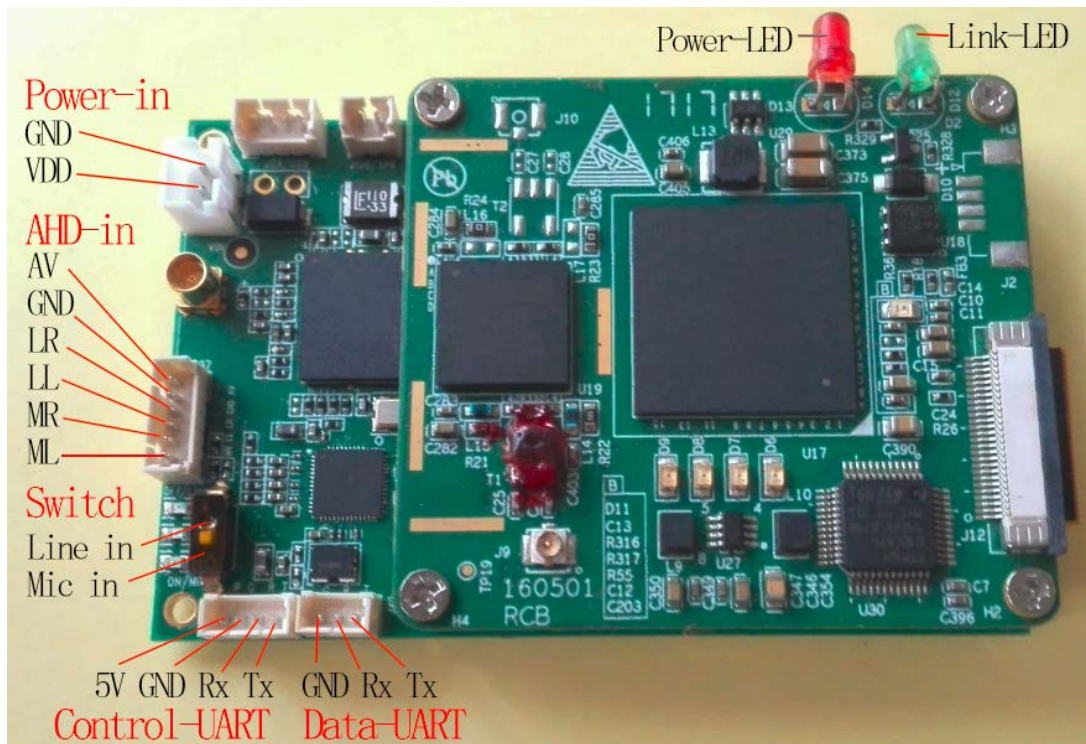
70x45x13mm(not including connectors out of the board)

### Power requirements

Input range: 7~24VDC

Power consumption: <350mA@12V

## Signals description



### AHD-in

PIN	Signal
AV	
GND	
LR	
LL	
MR	
ML	Mic in left(Audio)

For Mic audio input, turn the Switch to “Mic in” and connect to mic in PINs; For line audio input, turn the Switch to “line in” and connect to line in PINs.

### Data UART and Control Uart

TTL, 3.3V signal

### Power-LED

Red light when board is powered

### Link-LED

Green blinks on transmitting

