

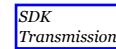
About the HSC series codec

The HSC products (Haiwei SynCodec) are the embedded hardware for point to point interactive transmission solution, emergency communication, can be used as IP transcoder also.

The HSC allows to receive the stream from other side, then output via HDMI/ 3.5mm composite Jack, meanwhile, able to send the streams via a series of IP protocol like RTSP over UDP & TCP/ RTMP/ HTTP/ UDP /Unicast/ Multicast/ ONVIF/ P-P (Haiwei proprietary protocol).

With Haiwei Powerd proprietary protocol, the HSC supports directly receive the stream from another Haiwei P-P devices in another network, even another country on the planet.

New technology-SDK decoding, one click to call the SDK for local network transmission, don't need to transmit over server like P-P solution, ultra low latency will available then.



HSC-S1



HSC-R104



HSC-R116

## Main specifications

### Encoding scheme

HEVC/ H.265, AVC H.264 MPEG-4

### Profile

H.265 main profile, H.264 high/ main/ baseline profile

### Encoding

#### Input

Up to 1080P 60 (Minimum 320\*180),  
3.5MM line-in Jack

#### Output

HTTP/ HLS/ RTSP over UDP TCP/ RTMP/  
UDP Unicast Multicast/ ONVIF/ RTP/ P-P

#### Encoded resolution:

320\*180 to 1080P 60

### Bitrates

Video: 16KB/S to 12000KB/S, CBR/ VBR

Audio: 48K, 64K, 96K, 128K, 160K, 192K, 256K, 320K

Audio sample rate: 24000- 256000

Audio format: MP3/ G.711/ AAC HE LC/ MP2

### Accessibilities

Video package: VLC/ FFMPEG

Stream information rename (PMT/ transport ID/  
Stream ID)

Image adapt (Noise/ sharpe/ filter/ contrast/ Bri/Hue )

### Decoding

#### Input

RTSP/ RTMP/ UDP/ HTTP/ HLS/ P-P/ SDK

#### Output

HDMI/ CVBS (NTSC/ PAL)

#### Resolution

3840\*2160 30, 1080I 60/50, 1080P 60/50/30/25/24  
720P 60, 576P 60, 480P 60

### Accessories

1\* HSC-S1/ R101, 1/4\* HDMI cable, 1/4\* power adapter  
1/4\* CVBS cable (3.5MM), 1\* warranty card.

### Mnagement

HTTP WEB GUI (80/ 90 );  
Haiwei video management platform;  
LiveX for Phone; Telnet, API, SDK  
Customized tools.

### Transcoding

IP to IP (HTTP/ RTSP/ RTMP/ HLS/ UDP)  
H.264/ H.265 to H.265/ H.264

### Network

1/4\* RJ45 Gigabyte full-duplex network.  
DHCP can be enabled by default.

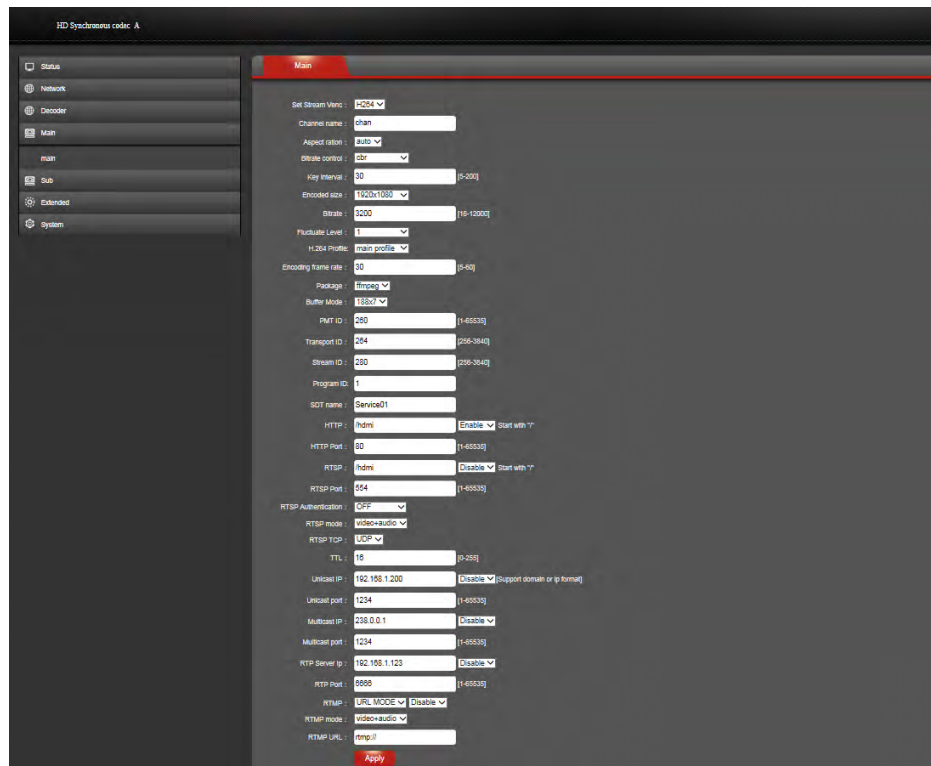
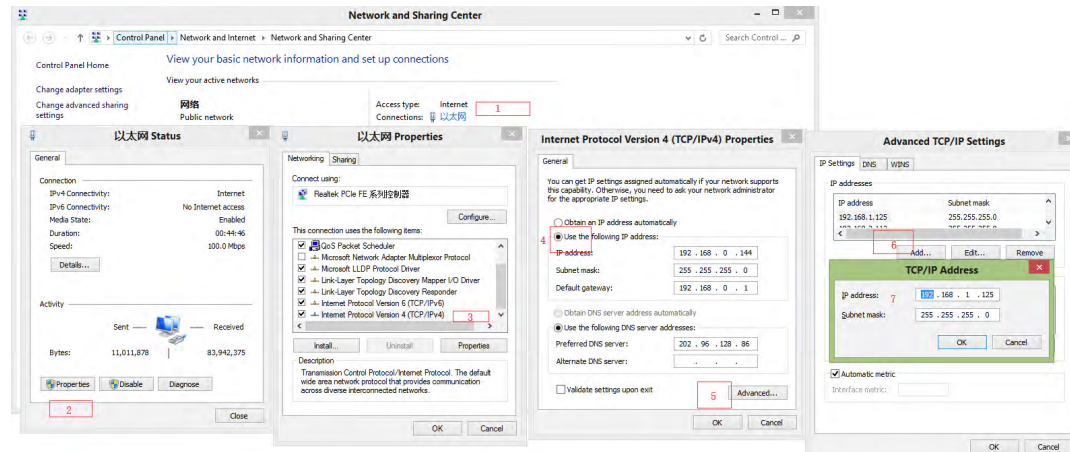
### Others

Dimension: S1-100\*118\*40 (mm), R101- 19 inch  
Working temperature: -20 C to 60 C  
Working humidity: <90%  
Net weight: S1-0.3 KG, R101- 2.8 KG  
Power: S1-12V 2A, R101- 110-240V  
consumption: S1- 5W, R101- <28W

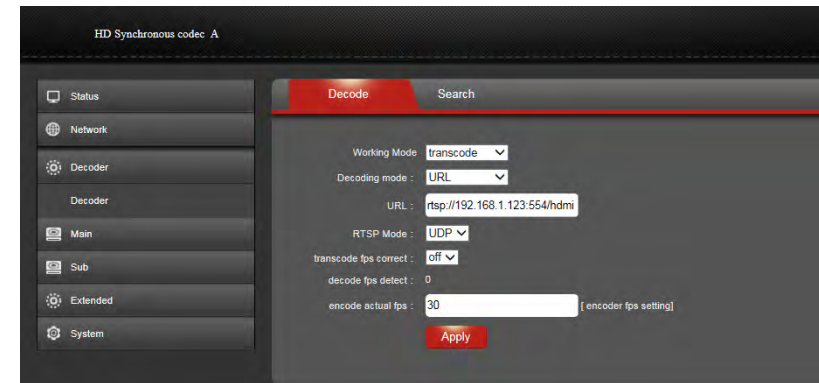
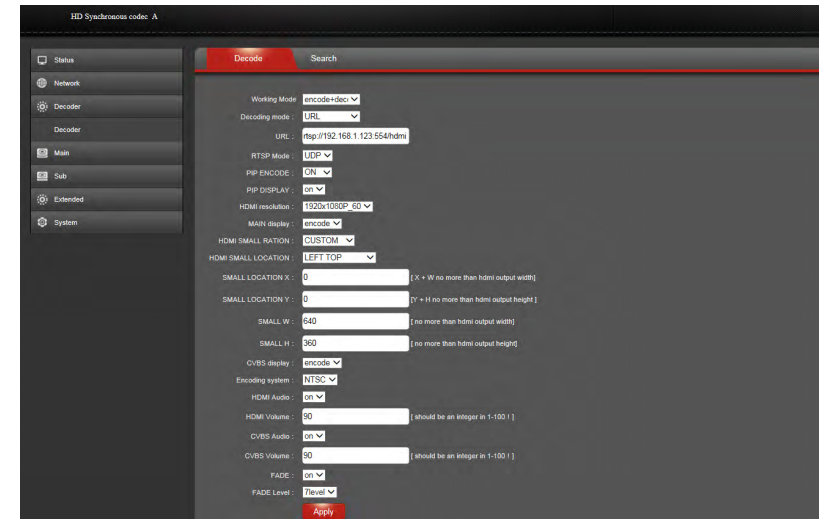
## How to use

### I : Network configuration

Like all of other from Haiwei, you will need to configure the IP address first if you don't have make DHCP enabled by default, here are steps to configure your network



### II : WEB GUI



### Transcoding

To use transcoding function, just select transcoder function, then configure everything about output in “HDMI MAIN/ 2ND”

### PiP

This is picture in picture function, so if you need this function, just enable PiP function in “encode+ decode function” and adjust the size or everything about the main and 2nd video.