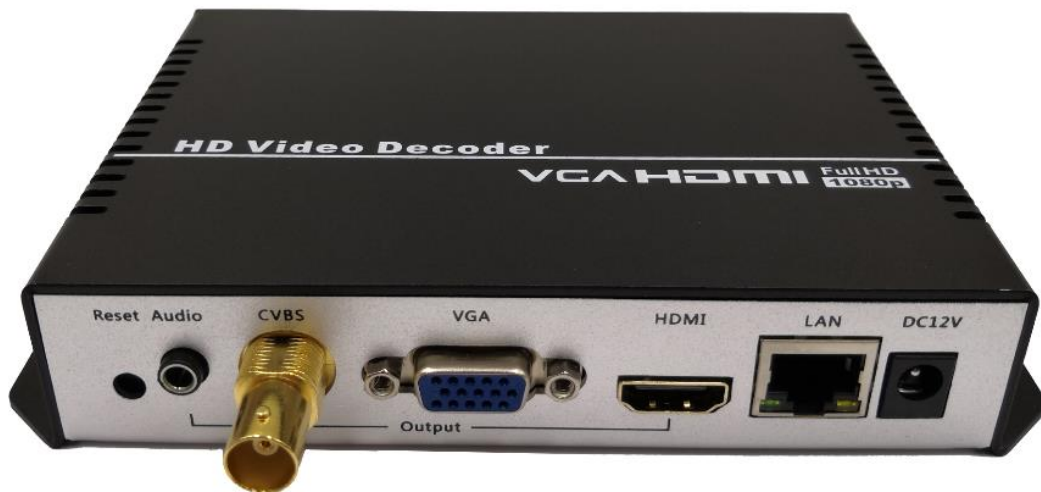


# **H.265/H.264 HDMI/VGA/SDI Decoder**

## **User Manual**



## Overview

This H.265/H.264 Video Decoder is our newest professional HD audio & video decoding device with powerful functionality. It can decode network stream by HTTP RTSP UDP RTMP Protocols and equipped with 1 HDMI, 1 VGA and 1 SDI and stereo audio output for local display.

Its high integration and cost-effective design make this device widely used in variety of digital distribution systems such as CATV digital head-end, IPTV, advertisement display satellite and terrestrial digital TV etc.

## Specifications

### Video Output:

Outputs	1*HDMI Output (1.3a) + VGA + SDI Output
Resolution	3840*2160@30P, 1920*1200@60P, 1920*1080@60I/60P/50I/50P/30P/25P 1280*720@60P/50P, 720*576,720*480
Decode	H.265/H.264 video compression format

### Audio Output:

Decode	AAC/MP3
Stereo	Volume adjust

### System

RJ45	1000M
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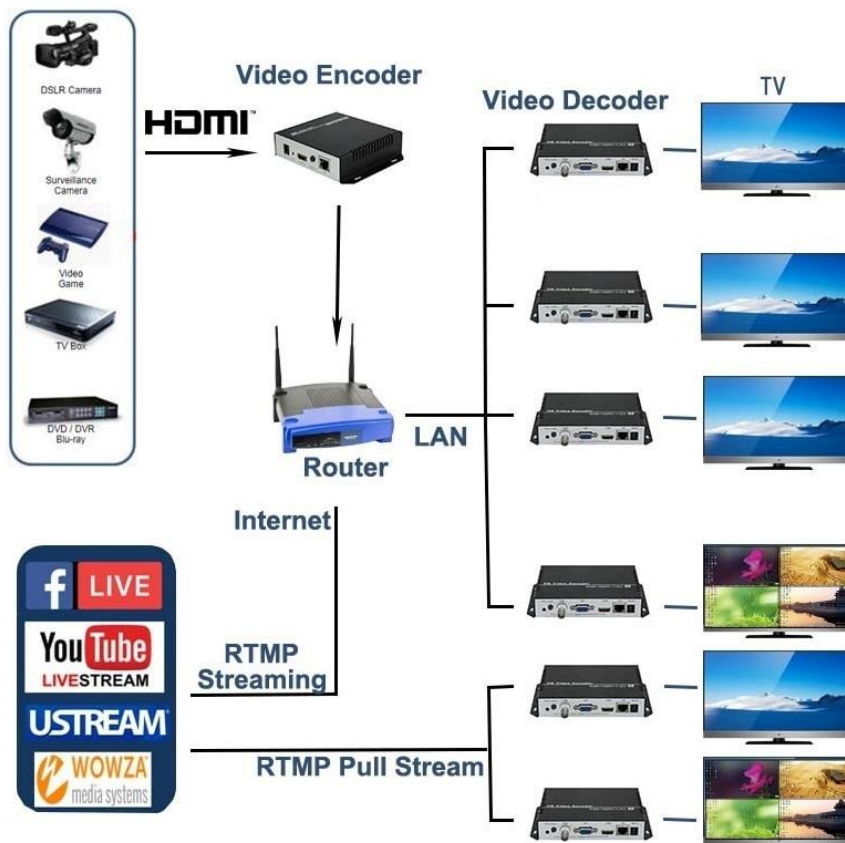
Protocol	HTTP/UDP/RTSP/M3U8/RTMP/FLV/HLS/TS
Manager	WEB manager
FW update	Yes

### General

Size	(W*L*H) 137*105*28mm
Net Weight	0.25KG
Temperature	0~45°C(working), -20~80°C(storage)
Power	12V/DC 1A
Consumption	<5W

## System Diagram for Decoder

RTMP/RTSP/HTTP/UDP/RTP/M3U8/FLV/HLS Protocols



## Visit Decoder Web

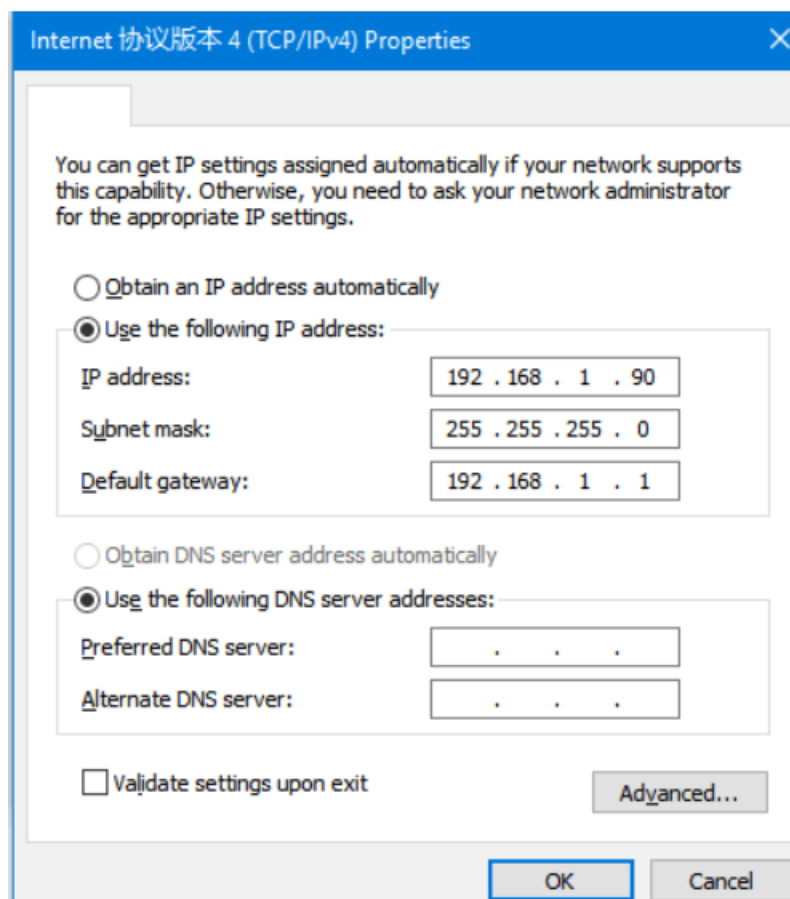
The decoder default IP address: <http://192.168.1.169>, user name and pwd: admin.

Setup your PC IP address in the same network segment with decoder:

On a Windows PC:

Enter “Network and Internet”---“Change adapter settings”--- Right click on your wired ethernet adapter---“Properties”---“Internet Protocol Version 4 (TCP/IPv4)”.

Enter the IP address with 192.168.1.90 (2~254 which no conflict in LAN) and Subnet mask 255.255.255.0 –“OK”.



## Status

To check the decoder status

The screenshot shows the 'Status' page of the SDI H.264/265 Video Decoder. The left sidebar contains three menu items: 'Status' (selected), 'Address setting', and 'System setting'. The main content area is titled 'Status' and is divided into two sections. The 'System status' section displays the following information: runtime: 0000-00-00 00:05:59, cpu usage: 0%, mem usage: 23MB/253MB, output format: 1080P60, and decode wndnum: 1. The 'Channel1' section displays: addr: http://192.168.1.168/0.utp, status: abnormal, frame rate(fps): 0, and code rate(kbit/s): 0.

## Address Settings

Decode wndnum: decoding display windows number: 1 or 4

Channel addr: fill the network stream url for decoding.

Program ID: select program

The screenshot shows the 'Address setting' page of the SDI H.264/265 Video Decoder. The left sidebar contains three menu items: 'Status', 'Address setting' (selected), and 'System setting'. The main content area is titled 'Address setting' and contains the following fields: 'decode wndnum' (a dropdown menu with '1' selected), 'channel1 addr' (a text input field containing 'http://192.168.1.168/0.utp'), 'audio' (a radio button), and 'Program ID' (a dropdown menu with 'Program 1' selected). An 'apply' button is located below the input fields.

4 channel windows display mode:

The screenshot shows the 'Address setting' page of the SDI H.264/265 Video Decoder. On the left is a navigation menu with 'Status', 'Address setting' (highlighted), and 'System setting'. The main content area is titled 'Address setting' and contains the following fields:

- decode wndnum: 4 (dropdown)
- channel1 addr: http://192.168.1.168/0.udp (text input)
- channel2 addr: (text input)
- channel3 addr: (text input)
- channel4 addr: (text input)

Each channel has an audio selection (radio buttons) and a 'Full' button. The first channel has 'audio: ● Full' and 'Program ID: Program 1'. The other three channels have 'audio: ○ Full' and 'Program ID: Program 1'. At the bottom are 'apply' and 'Quad' buttons.

## Network Settings

Setup the decoder network parameters according your network settings.

The screenshot shows the 'Network setting' page of the SDI H.264/265 Video Decoder. On the left is a navigation menu with 'Status', 'Address setting', 'System setting' (highlighted), 'Network setting' (highlighted), 'Passwd setting', 'System output', 'Osd setting', 'Crop setting', 'System update', 'Reset device', and 'Reboot device'. The main content area is titled 'Network setting' and contains the following sections:

- Internet access**
  - DHCP: Disable (dropdown)
  - IP: 192.168.1.169 (text input)
  - mask: 255.255.255.0 (text input)
  - gateway: 192.168.1.1 (text input)
  - mac: 00:13:14:15:D8:25 (text input)
- DNS**
  - dns1: 8.8.8.8 (text input)
  - dns2: 8.8.4.4 (text input)

An 'apply' button is located at the bottom of the DNS section.

## WiFi Settings

Configure WiFi setting to connect the decoder with your WiFi network

*Note: Must make sure your decoder support WiFi function*

**Video Decoder**

- Status
- Address setting
- System setting**
  - Network setting
  - WiFi setting**
  - Passwd setting
  - System output
  - System update
  - Reset device
  - Reboot device

**WiFi setting**

**WiFi SWITCH**

WIFI:

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**WiFi CONFIG**

WIFI List:

WIFI Essid:

WIFI Password:

WIFI DHCP:

WIFI IP:

WIFI Netmask:

WIFI Gateway:

## Password Settings

To configure the decoder login password

**SDI H.264/265 Video Decoder**

- Status
- Address setting
- System setting**
  - Network setting
  - Passwd setting
  - System output
  - Osd setting
  - Crop setting
  - System update
  - Reset device
  - Reboot device

**Passwd setting**

old pwd:

new pwd:

new pwd:

## System Output

To setup the decoding video output parameters

### SDI H.264/265 Video Decoder

- Status
- Address setting
- System setting**
  - Network setting
  - Passwd setting
  - System output
  - Osd setting
  - Crop setting
  - System update
  - Reset device
  - Reboot device

#### System output

HD output: 1080P60  the same as input source

CVBS output: PAL

CVBS Show X: 40 [0,720]

CVBS Show Y: 20 [0,576]

CVBS Show W: 660 [0,720]

CVBS Show H: 540 [0,576]

rotate: 0 degree

Scaling: Disable

brightness: 50

contrast: 50

hue: 50

saturation: 50

**apply**

## OSD Settings

### SDI H.264/265 Video Decoder

- Status
- Address setting
- System setting**
  - Network setting
  - Passwd setting
  - System output
  - Osd setting**
  - Crop setting
  - System update
  - Reset device
  - Reboot device

#### Osd setting

**Region 1**

status: Enable

type: Text

diaphaneity: 100

X: 10

Y: 10

text:

font size: 36

background color: Opacity

font color:  

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**Region 2**

status: Disable

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**Region 3**

status: Disable

---

**Region 4**

status: Disable



## Crop Setting

The screenshot shows the web interface for the SDI H.264/265 Video Decoder. On the left is a blue sidebar menu with the following items: Status, Address setting, System setting (highlighted), Network setting, Passwd setting, System output, Osd setting, Crop setting (highlighted with a white arrow), System update, Reset device, and Reboot device. The main content area is titled "Crop setting" and contains a section for "Decode Channel 1". In this section, the "status" is set to "Enable" via a dropdown menu. Below this are four input fields for "X:", "Y:", "W:", and "H:", each containing the value "0". At the bottom of the section is a green "apply" button.

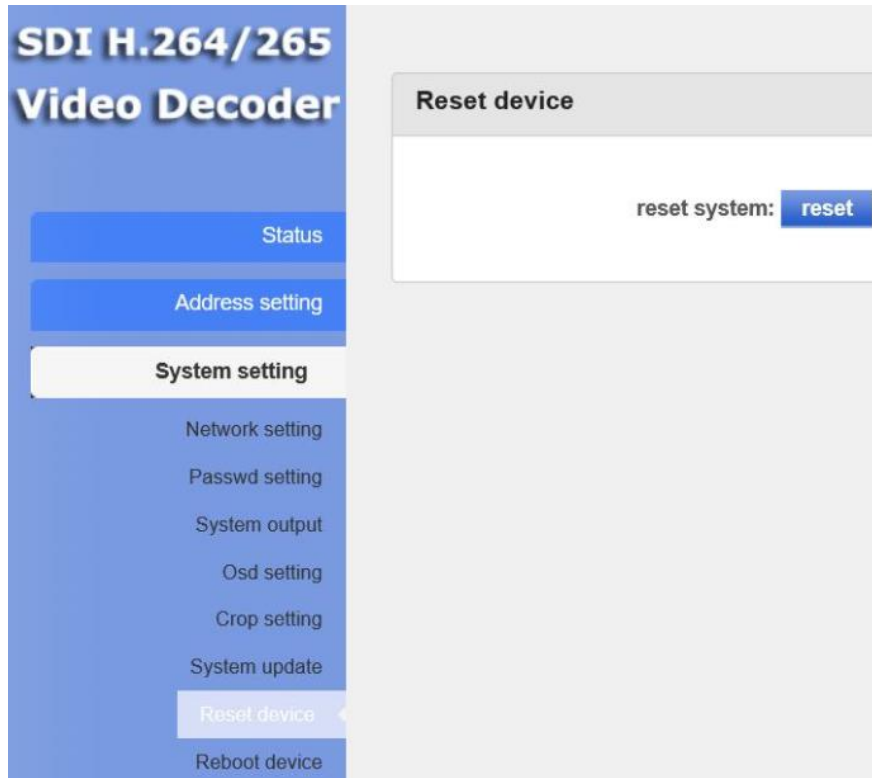
## System Update

To check the decoder current version, and can update the firmware into decoder

The screenshot shows the web interface for the SDI H.264/265 Video Decoder. On the left is a blue sidebar menu with the following items: Status, Address setting, System setting, Network setting, Passwd setting, System output, Osd setting, Crop setting, System update (highlighted with a white arrow), Reset device, and Reboot device. The main content area is titled "System update" and displays the "current version: 1.47.1". Below this is a "choose file:" label followed by a file input field, a "scan..." button, and an "upload" button. A "warning:" message is displayed below the input fields, stating: "Upgrade file name is up.rar. Please dont upload by different people at the same time, dont power off or refresh the page during upload."

## Reset Device

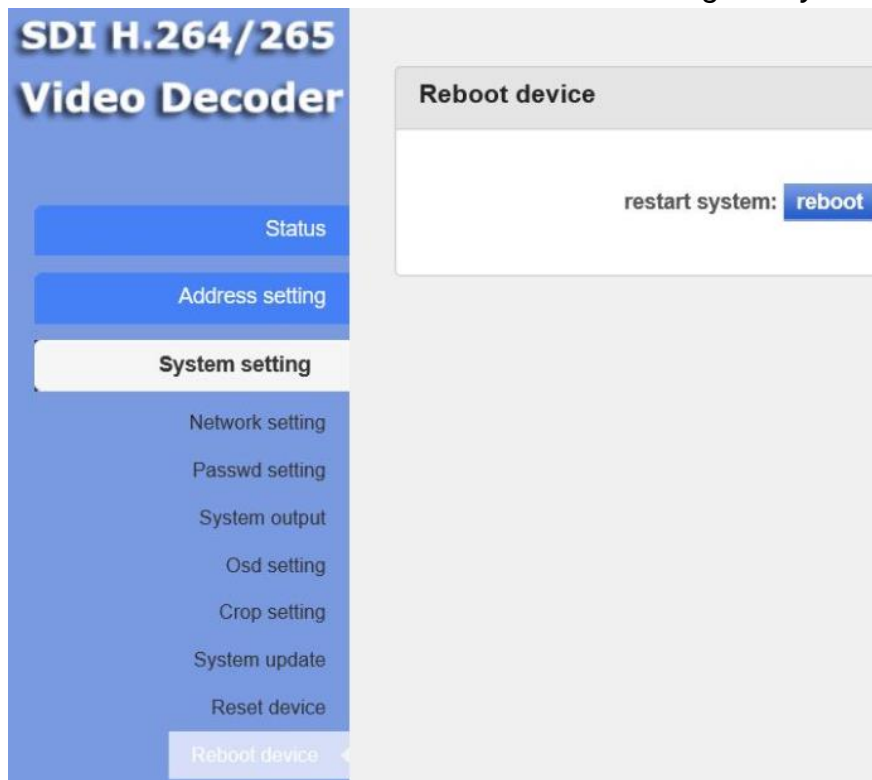
To restore the decoder parameters back to factory settings



The screenshot shows the web interface for the SDI H.264/265 Video Decoder. On the left is a blue sidebar with a menu. The main content area is light gray and displays the 'Reset device' page. The sidebar menu includes: Status, Address setting, System setting (highlighted), Network setting, Passwd setting, System output, Osd setting, Crop setting, System update, Reset device (highlighted), and Reboot device. The main content area has a header 'Reset device' and a button labeled 'reset system: reset'.

## Reboot Device

*Note: had better to reboot the decoder after changed any settings.*



The screenshot shows the web interface for the SDI H.264/265 Video Decoder. On the left is a blue sidebar with a menu. The main content area is light gray and displays the 'Reboot device' page. The sidebar menu includes: Status, Address setting, System setting (highlighted), Network setting, Passwd setting, System output, Osd setting, Crop setting, System update, Reset device, and Reboot device (highlighted). The main content area has a header 'Reboot device' and a button labeled 'restart system: reboot'.

**Thank you for using our products!**