Thank you for purchasing SDI/HDMI series video encoder. Before installing our product, please read this user manual carefully. Please strictly follow our manual or install and use under guiding by professional person, to protect your body and to avoid the encoder damage from physical and electrical.

The encoder may be damaged if incorrect electrical connection or installing our product, please read this user manual carefully. Please contact the supplier or visit website for more details.

SDI/HDMI Bonding Video Encoder

**Quick Start Guide**

### 1. Packing list

- 1pc PT video encoder
- 2pcs 4G antenna
- 1pc DC12V/1A Power adapter
- 1pc USB-DC Power wire
- 1pc USB-RJ45 network adapter
- 1pc hot shoe bracket
- 1pc plastic hot shoe bracket
- Quick Start Guide
- Warranty card

### 2. Device interfaces

- SDI/HDMI signal input
- Battery/Charging indicator
- Power input
- SDI/HDMI indicator
- Streaming indicator
- Power indicator
- Power switch
- Reset
- WiFi indicator
- SDI/HDMI signal locked
- SDI/HDMI no signal
- Battery indicator
- Charging (Flashing)
- On
- Off
- Not working
- Streaming indicator
- White
- Flashing
- On
- Off
- Not working
- WiFi indicator
- Red
- Off
- Working
- Not working
- 4G indicator
- Slow blink: 1200ms High/1600ms Low
- Fast blink: 125ms High/125ms Low

### 3. Installation and Connection

#### Connecting video signal

Connect the SDI/HDMI signal from the source (such as a camera) to the SDI/HDMI input port of the device via a cable.

#### Connect Network

Plug the USB transfer network port (RJ45) cable into the USB port, and connect the network port to the switch. You can also connect directly to the computer network.

#### Connect the Power supply

Use the standard power adapter (DC 12v) connected to the power input. After the power is turned on, the device will charge the built-in battery. Press the power switch on the device for more than 3s, and the device will start working immediately.

#### Press the switch over 3seconds, the device is turn on, the light flashes, and the battery light is always on. After the device starts up normally, the power light is always on, and the process lasts for 30-40s.

#### Led indicator light descriptions

- **Name**
  - SDI/HDMI signal input
  - Battery/Charging indicator
  - Power input
  - SDI/HDMI indicator
  - Streaming indicator
  - Power indicator
  - Power switch
  - Reset
  - WiFi indicator
  - SDI/HDMI signal locked
  - SDI/HDMI no signal
  - Battery indicator
  - Charging (Flashing)
  - On
  - Off
  - Not working
  - Streaming indicator
  - White
  - Flashing
  - On
  - Off
  - Not working
  - WiFi indicator
  - Red
  - Off
  - Working
  - Not working
  - 4G indicator
  - Slow blink: 1200ms High/1600ms Low
  - Fast blink: 125ms High/125ms Low

#### Description

- **Status**
  - Flashing
  - Off
  - On

- **Color**
  - White
  - Red

### 4. Connect WIFI

#### Login the WEB Console

If login for the first time, please use Failsafe IP address. You can access http://192.168.1.168, to login the web console.

#### IP address configuration

After login, you can configure the IP according to the network, the IP will be used for pushing and device management. You can configure it to manually set the IP or DHCP. (Default set is DHCP)

#### Default IP address and web login

The Failsafe IP address is 192.168.1.168 with subnet mask 255.255.255.0. Normally, you don’t need to modify this IP address.

### 5. Device login and network configuration

#### Connect WiFi

Click "Web management interface "Network&Service Settings>Network manager".

#### Click "Configuration" under wifi for wifi setting interface

Users could configure according to the related parameters of wifi hotspots. Put in password after succeeded, it could transmit through wireless network.

### 6. Packing list

- 1pc hot shoe bracket
- 1pc plastic hot shoe bracket
- Quick Start Guide
- Warranty card
- 1pc USB-DC Power wire
- 1pc USB-RJ45 network adapter
- 1pc P1 video encoder
- 2pcs 4G antenna
- 1pc DC12V/1A Power adapter

**Note:**

Due to products updating, packing lists will be a little difference.

- Warranty card
- 1pc hot shoe bracket
- 1pc plastic hot shoe bracket
- Quick Start Guide
- Power input
- Battery/Charging indicator
- SDI/HDMI signal input
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- Battery indicator
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- Off
- Working
- Not working
- 4G indicator
- Slow blink: 1200ms High/1600ms Low
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This product is divided into SDI or HDMI interface. Please configure based on what you purchased.

Kindly note. This is only Quick Start Guide. If there are any questions, please contact the supplier or visit website for more details.
Connect 4G network. Built in 4G-LTE modules (or USB expandable with two 4G-LTE USB Dongle). Put in SIM cards before starting, then configure 4G network to push streaming.

The default RTSP accessing URL is:
- **Main**: rtsp://encoder IP address:554/ch01
- **Sub**: rtsp://encoder IP address:554/sub01

Note: "ch01", "sub01" is the RTSP session ID.

**Connect 4G**

Encoder supports H.264 encoding, support a variety of push-flow methods, such as RTP, RTMP, RTMPS, UDP, HLS, etc. The RTSP services is always enable for the device, all tools which support the standard RTSP protocol and H.264 decoding (such as VLC media player) can be connected to the encoder and get video streams.

**Coding and pushing**

**RTMP Live Streaming**

Our device's H.264 main/sub stream supports adding up to 8 same or different streaming media service, to meet your needs of adopting same/different stream media protocols for multi-goal pushing.

On the management interface of "Encoding&Stream-Encoding and Stream media protocols for multi-goal pushing.

**Add RTMP pushing streaming service**

Currently main video live streaming platforms require "RTMP" service. After adding RTMP pushing service, click set icon to configure RTMP parameters.

**Add streaming service**

Our device's H.264 main/sub stream supports adding up to 8 same or different streaming media service, to meet your needs of adopting same/different stream media protocols for multi-goal pushing.

On the management interface of "Encoding&Stream-Encoding and Stream Settings", for main/sub stream to choose "add one stream service", users can add the needed service type.

**Restore factory settings**

If users change parameters that lead encoder couldn't work (The typical situation is changed network address, so it couldn't be visited encoder by network), users could restore factory setting to default value.

**Quick reset and reboot**

"Quick Reset" function is to reset encoding service, normally used for making changed parameters to effect immediately.

The whole process lasts around 3s.

**Firmware upgrading**

This device supports online firmware upgrading for upgrading software. Select "Basic Settings", pull down and click "Update firmware". On the page, click "Browse" to select the upgrading file, and click "Upgrade" to upgrade the device.

**Note:**

After uploading firmware file successfully, the encoder will automatically restart, this process will take about 30s-60s (the time will be different according to upgrade content), and please be patient.

After the upgrade is complete, via the web interface 'system information' to check whether the latest version information in accordance with expected and confirm the upgrade succeeded.

**Restore factory setting to default value;**

All encoding parameters of video and audio will be restored to factory default value.

**IP address will be restored as 192.168.1.168, subnet mask will be 255.255.255.0;**

**Login username and password will be as admin;**

**Media transmission parameters will be restored as factory default value.**