

# QUICK START GUIDE

KILOVIEW M2  
VGA/HDMI  
Video Encoder

**2019**  
REV. 1

Thank you for purchasing KILOVIEW® HDMI&VGA video encoder. Before installing our product, please read this user manual carefully. Please strictly to follow our manual to install and use our encoder, or install and use under guiding by professional person, to protect your body safety and to avoid the encoder damage from physical and electrical. The encoder may be damaged if incorrect electrical connection or the physical installation, even threaten the operator safety.

## 01 PACKING LIST

### Packing list

One M2 video encoder, one power supply (DC 12V/1A), one user manual, one product certification.



### ATTENTION:

The actual packing list may be different since the product updating.

## 02 DEVICE INTERFACES



- 1 Switches (No function declared, for extension)
- 2 Reset
- 3 Power Input



- 4 Audio Output
- 5 Audio Input
- 6 RS-485 Interface
- 7 VGA Input
- 8 HDMI Input
- 9 Ethernet Interface
- 10 USB port

### NOTE:

Users can connect USB storage, USB to RS232/RS485 converter to the USB port.

## 03 DEVICE INSTALLATION

### Connect the power adapter

Using the power adapter (DC 12V/1A) connect to the device, after the power is turned on, the device starts working.

### Connect network

Connect one end of the network cable to the encoder's Ethernet port. The other end is connected to the network switch or the computer's Ethernet port.



To ethernet switch or computer

## 05 CONNECT AUDIO/VIDEO SIGNAL

### Connect analog audio signal

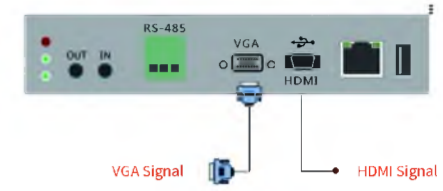
Through 3.5mm audio cable, it can be accessed analog audio signal. (You can select the analog audio as audio encoding source, refer to "Select video/audio signal source". The analog audio output is not declared for current software.)



Analog audio out Analog audio in

### Connect video signal

Connect HDMI or VGA signal to encoder's corresponding input port.



VGA Signal HDMI Signal

## 04 LED INDICATOR DESCRIPTIONS

### 1 Power up

After powered up, LINK/RUN will be off, and PWR will be on. Indicator lights will go to below status, which lasts 10-15S.

### 2 RUN/LINK/PWR indicators

LED	COLOR	STATUS	DESCRIPTION
RUN	GREEN	FLASHING	Device is encoding
		OFF	Device encoding fail
LINK	GREEN	ON	Network connected
		FLASHING	Network is trying connect
PWR	RED	ON	Powered up
		OFF	NO POWER SUPPLIED
		FLASHING	Device working error

## 06 SELECT VIDEO/AUDIO SIGNAL SOURCE

Click "Audio&Video Adjustments > Video Source and Adjustment" or "Audio&Video Adjustments > Audio Source and Adjustment" in the Web console, you can select video and audio source.

### Video/Audio source options:

SOURCE	OPTION	DESCRIPTION
VIDEO	Auto Selection	Auto detect and select VGA or HDMI
	Auto Selection (one-shot)	Auto detect and select VGA/HDMI, once detected, it will lock it as the source
	VGA	Select VGA as the input source
AUDIO	HDMI	Select HDMI as the input source
	Auto Selection	Select HDMI embed audio while video source is HDMI, otherwise select analog line in.
	HDMI	HDMI embed audio
	Analog Line in	Analog line in audio

## 08 DEFAULT IP ADDRESS AND WEB LOGIN

### Default IP Address

The default IP address of encoder is 192.168.1.168 with subnet mask 255.255.255.0. You can login the Web console to change the network addresses.

### Login the Web console

Open your web browser and access:

<http://<device IP address>/>

For example: the device default IP is 192.168.1.168 so you can access <http://192.168.1.168> to login the Web console.

Login user is  Default password

## 10 RTMP LIVE STREAMING

### Add streaming service

Our device's H.264 main/sub stream supports adding up to 8 same or different streaming services, to meet your needs of adopting same/different stream media protocols for multi-goal streaming pushing. On the management interface of "Encoding & Stream" > "Encoding and Stream Settings", click "add a stream...", you can add your needed streaming service.

### RTMP live streaming (push)

Currently, most live streaming platforms (e.g. YouTube) require "RTMP Pushing" protocol. After adding "RTMP pushing" service, click set icon to configure RTMP parameters.



## 12 RESTORE FACTORY SETTINGS

### Restore factory settings

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

### Two methods for restoring factory settings:

- 1 Choose "Basic Settings > Restore factory settings" on the web console
- 2 Hold "RESET" button:

Hold the "RESET" button more than 3 seconds.

Restoring factory setting will lead to the device reboot, restarting course will last about 20S.

### NOTE:

These parameters will be restored after restoring factory setting:

- The password of admin will be reset to admin;
- The IP address will be reset to 192.168.1.168 and subnet mask is 255.255.255.0;
- All the video/audio encoding settings will be reset;
- Streaming settings will be reset.

## 09 RTSP STREAMING

The RTSP service is always enabled for the device. All the decoders which support RTSP protocol and H.264 decoding can connect and get stream from the device.

### The default RTSP accessing URL is:

MAIN : <rtsp://<device ip address>/ch01>  
SUB : <rtsp://<device ip address>/sub01>

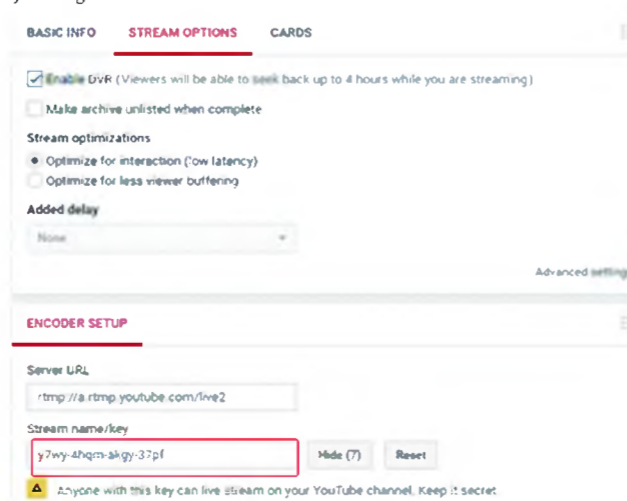
### NOTE:

'ch01', 'sub01' is the RTSP session ID. You can change the session ID in the Web console.

## 11 RTMP LIVE STREAMING

### On the configuration page:

"Push point" requires a URL which RTMP push to. Take 'YouTube' for an example, you can get the URL like below:



- Other options like "Username/Password", please get details over online help.

## 13 FIRMWARE UPGRADING

### Firmware upgrading

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



### NOTES:

- After uploading firmware file successfully, the encoder will automatically restart, this process will takes 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>version information" to check whether the latest version information in accordance with expected to confirm the upgrade is successful.