Quick Start Guide

SDI&DVI/HDMI/VGA

Video decoder

2019

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

This guide is suitable for single and multiple decoder.

This manual is used to help you to use the decoder easily, please contact the supplier for detailed documents or online help if necessary.

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01 Packing list

Packing list

One decoder, one power supply (DC12V/1A), user manual and product certification; DVI to HDMI adapter /DVI to VGA adapter(Optional Parts).

NOTE:

Due to product updating, packing list will be a little difference.

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02 Device interfaces

1 USB interface
2 HD – SDI output
3 Reset/restore factory setting
4 Audio output
5 Audio input
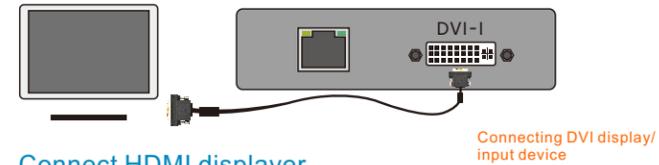6 LED Status
7 Power input

8 100/1000M adapt Ethernet interface
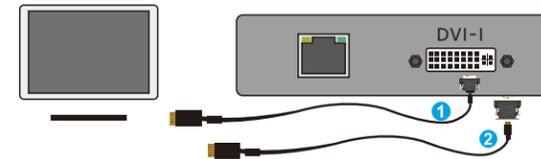9 DVI/HDMI/VGA output

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03 Device installation

Connect DVI displayer

Connecting DVI video output interface with DVI displayer via DVI cable.
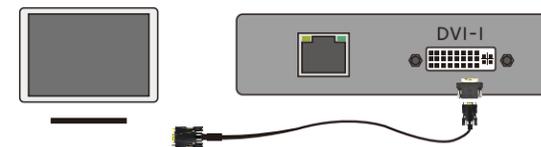
Connecting DVI display/input device

Connect HDMI displayer

1.Using DVI to HDMI cable to connect DVI video output interface with HDMI displayer (recommended);
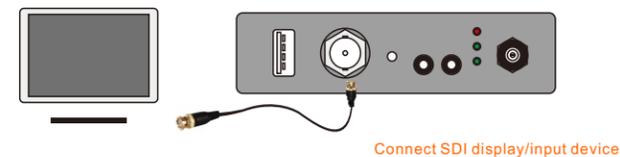2.By DVI to HDMI adapter with HDMI cable to connect.

Connect VGA displayer

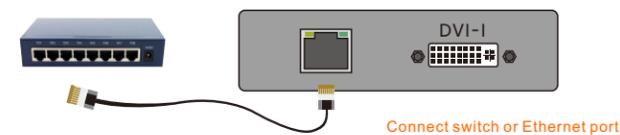Using DVI to VGA adapter connected to DVI interface, then with VGA cable to displayer.

Connect SDI displayer

Using SDI cable to connect SDI output interface with SDI displayer

Connect SDI display/input device

Connect network

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

Connect switch or Ethernet port

Connect power

Using the power adapter (DC12V/1A) connected to the device, after the power is turned on, the device starts working

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04 Led indicators

After powered on, RUN and LINK are off. After device connected, RUN light is always on, device is working.

Name	COLOR	STATUS	DESCRIPTION
POWER	RED	ON	Powered up
		OFF	No power supplied
RUN	GREEN	ON	Device is working
		OFF	Device is starting up.
LINK	GREEN	ON	Network connected
		OFF	Device disconnected or starting up

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05 Login and network configuration

Default IP address

The failsafe IP address is **192.168.1.168**, subnet mask is **255.255.255.0**
Normally, you don't need to modify this IP address.

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.

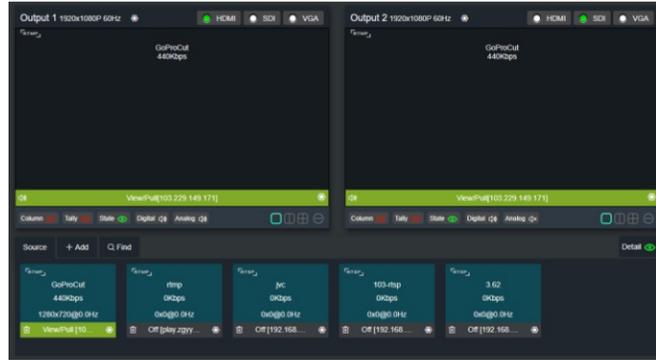The default Username: **admin**; Password: **admin**.

IP address configuration

After login, you can configure the IP according to the network, the IP will be use for pulling stream and device management. You can configure it to manually set the IP or DHCP.

06　Video output setting

The device has two different output windows, which can output two different or same contents for SDI and DVI/HDMI/VGA.

You only need to drag the added video source to the corresponding output windows, then the decoder starts decoding.

Decoding mode settings

Users could choose to output SDI/DVI/HDMI/VGA (HDMI compatible with DVI mode) to one screen or multi-screen on Media. Multi-Decoder supports up to 4 CH The maximum is four-screen.

It supports H.264 decoding, up to 4 CH video decoding simultaneously (4 CH 1080p30 or 2 CH 1080p60 and below).

07　Decoding buffer and delay

For a variety of different application scenarios and networks, to balance of delay and fluency of the decoding, the device provides a variety of buffering strategies for users to choose.

Zero buffer, 50ms, 120ms, 200ms, 500ms, 1s are optional. Users can choose on actual network conditions, good network with lower latency, and bad network with higher latency.

RTMP source configuration

Fill out video source address in URL field: rtmp://<pulling IP address> <session name>.

For example: rtmp://192.168.3.13/live/myStream

10　Firmware upgrading

The device supports online firmware upgrading for upgrading software. Select "System Setup", pull downward and click "Firmware". On the page, click "Select File" to select the upgrading file, and click "Upgrade" to upgrade the firmware.

NOTE:

● After uploading firmware file successfully, the decoder 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 top right corner of the web" 🛈 " to check whether the latest version information in accordance with expected to confirm the upgrade is successful.

DVI/HDMI output settings
（HDMI connection needs one DVI to HDMI adapter）
Click HDMI (HDMI compatible with DVI) on either of the windows, the front dot then turns to green, which means the contents here will decode and output to DVI/HDMI interface.

SDI output settings

SDI is an independent interface. Click SDI on either of the windows, the front dot then turns to green, which means the contents here will decode and output to SDI interface.

VGA output settings
（VGA connection needs one DVI to VGA adapter）
Click VGA on either of the windows, the front dot then turns to green, which means the contents here will decode and output to VGA interface.
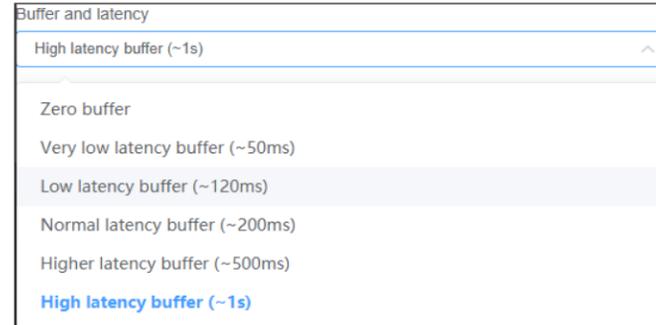
NOTE:

One output interface can only be chosen in one output window, cannot output the contents of two windows to one interface simultaneously. If choose SDI and HDMI on one window at the same time, the two interfaces will output the same contents.

08　Video source

Video sources list

The list displays all the video sources and sources parameters information that you added, not all sources are under decoding status. If request decoding output, drag it to the output area. When video source display is green, "display/pushing" is working.
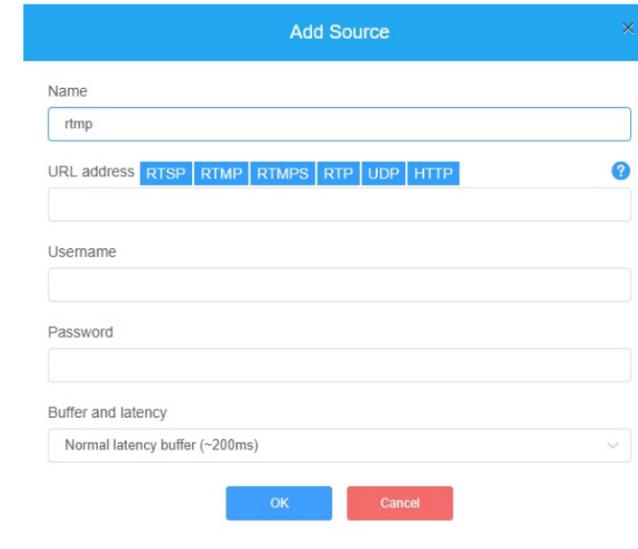
Adding source

Supported decoding protocols: RTSP, RTMP, RTMPS, RTP, UDP, HTTP. Firstly users need to get the correct video source URL address from other platforms. Abnormal source address will lead to device not working (Users can test whether the source is available via VLC player).

Click "Add" on media interface, configure the relevant parameters on the dialog box, click "Confirm", one video source is added.

09　Restore factory setting

Restore factory settings

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

Ways

Hold the 'RESET' button more than 6 seconds, the device will restore factory settings. Restoring factory setting will lead to the device 'cold' reboot, and the whole process will last about one minute.

NOTE:

Below parameters will be restored after restoring factory setting:

● Login username and password will be turned to **admin**;
● The IP address will be restored to **192.168.1.16**8 and subnet mask is **255.255.255.0**;
● All the video/audio decoding settings will be restored;
● Streaming settings will be restored.

11　Quick reset and reboot

Quick Reset and Reboot

" Quick Reset" is only suitable for resetting video decoding function of the decoder. Due to video signal not stable, parameters setting wrong will make decoding functions abnormal; please try to execute "quick reset". Please kindly wait for about 3s.

● "Quick Reset", "Quick Reset" is only restoring configured decoding parameters, not changing default IP or other configured parameters;
● "Reboot", is used for executing warm reboot. When "quick reset" couldn't solve problems, please try "Reboot". The whole process will last around one minute;
● Under some circumstances, reboot may be with the help of 'cold' reboot: power down then power up the device.

NOTE:

It is not suggested to use the way of 'cold' reboot quite often, as it may cause bad influence on device hardware and software.