H.264 Encoder Manual







- ① Power input port
- ③ Reset button 1
- Indicator of power input
- Indicator of HDMI input

- ② HDMI input
 ④ LAN output
 ③ Indicator of LAN output
- Note: 1. Reset to the factory default setting: press "Reset" for 10 seconds till all three indicators go out.
 - 2. LAN: default IP is 192.168.1.168 for the unit.

Indicator description: blue light indication: HDMI green light indication: network cable connection red light indication: power

The steps to set up the local area network are as follows:

Step 1: First connect the computer and the encoder (power on) with a network cable, set the IP address of the computer network card: 192.168.1.xxx (Note: do not set the same IP address as the

encoder 1	92.168.1	.168).	the	default	dateway	v:192. ⁻	168.1.1	1
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eneral		
You can get IP settings assign this capability. Otherwise, you for the appropriate IP settings	ed automatically if your network su u need to ask your network administ s.	pports rator
Obtain an IP address aut	tomatically	
• Use the following IP addr	ress:	
IP address:	192 . 168 . 1 . 100	
Subnet mask:	255 . 255 . 255 . 0	
Default gateway:	192 . 168 . 1 . 1	
Obtain DNS server addre	ess automatically	
• Use the following DNS se	rver addresses:	
Preferred DNS server:		
Alternate DNS server:		
—	xit	

Step 2: Open the browser, enter the address 192.168.1.168, and enter the user name and password in the pop-up dialog box (user name: admin, password: admin)

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\leftarrow	\rightarrow	С	()	192.168.1.1	68		A∌	20	£_≡	Ē		
				Sign in to Authorizatio Your connec Username Password	access this	site http://192.168 te is not secure	3.1.168	ncel				

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tep 3: Check the IP address network segment of the router. The default IP address of the encoder is 192.168.1.168. If the two network segments are different, modify the encoder network segment. Enter the access interface of the encoder, and modify the IP address and gateway of the network port in "System Settings" -> "Network Settings" on the left. For example: the IP gateway of the router is 192.168.0.1, the default IP address of the encoder is set to: 192.168.0.168, the gateway: 192.168.0.1, click Settings, after the setting is completed, click to restart the device on the left, after the device restarts, wait for the light to recover The modification of the network segment is completed normally.

H264 Encoder	Network	
Status Encoder OSD System Network	LAN	DHCP: Disable ▼ IP: 192.168.1.168 ← 192.168.0.168 Netmask: 255.255.255.0 Gateway: 192.168.1.1 ← 192.168.0.1 MAC: 00:13:14:03:66:CC
Password Serial to TCP Upgrade Reset Reboot	DNS	DNS1: 8.8.8.8 DNS2: 61.139.2.69
Schedule Restart	NTP	NTP Enable: Disable ✓ NTP Server: time.windows.com Time Zone: UTC+8 ✓
	Port	HTTP Port: 8080 [1-65500] RTSP Port: 8554 [1-65500]
H264 Encoder	Reset	
Status Encoder		Click the button to restore all the settings to the default.
OSD		
Network Password Serial to TCP Upgrade Reset Reboot Schedule Restart		

Step 4: Set the IP address of the computer network card to 192.168.0.100, and the gateway to 192.168.0.1. Re-enter the IP address 192.168.0.168 newly set by the encoder in the browser to check whether you can log in normally. If you can log in normally, the network settings for the encoder are successful.

eneral	
You can get IP settings assigr this capability. Otherwise, yo for the appropriate IP setting	ned automatically if your network supports u need to ask your network administrator s.
Obtain an IP address au	tomatically
Ouse the following IP add	ress:
IP address:	192 . 168 . 0 . 100
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	192 . 168 . 0 . 1
Obtain DNS server addr	ess automatically
Use the following DNS se	erver addresses:
Preferred DNS server:	
Alternate DNS server:	
Validate settings upon 6	exit Advanced

Step 5: Set the computer network card to automatically obtain an IP address and then connect to the router's LAN port. The encoder finds another network cable to connect to the router's LAN port.

nternet 🛊	办议版本 4 (TCP/IPv4) Prop	erties			>
General	Alternate Configuration				
You can this cap for the	n get IP settings assigned auto ability. Otherwise, you need t appropriate IP settings.	matic <mark>a</mark> lly if o ask your i	your n netwoi	etwork sup rk administra	oorts ator
() Ob	otain an IP address automatica	lly			
OUs	e the following IP address:				
IP ac	ldress:		- 15		
Subr	iet mask:				
Defa	ult gateway:		- 41	,	
() Ob	otain DNS server address auto	matically			
OUs	e the following DNS server ad	dresses:			
Prefe	erred DNS server:		- 6	+	
Alter	nate DNS server:		120		
V	alidate settings upon exit			Advance	ed
			OK		Cancel

Step 6: Download and install the VLC player, connect the HDMI input of the encoder to the signal source, open the VLC player, select media \rightarrow open network streaming



Step 7: Enter the IP address set by the encoder: http://192.168.0.168/0.ts, click play, the local area network setting has been completed. Please set according to the network segment of the router. This content is for reference only.

rile [🎯 Disc	👕 Network	🛄 Capture Device	
Network	Protocol			
Please	enter a netw	ork URL:		
http://	/192.168.0.1	68/0.ts		~
rtsp: http:	//server.exs //www.yourtu	ample.org:8080/ ibe.com/watch?v	′test.sdp ∵=gg64x	

The steps for setting the WAN (external network) are as follows:

Step 1: Keep all the settings of the LAN, connect the network cable of the external network to the WAN port of the router, enter the router interface, find the DMZ host to select and enable this function, and set the DMZ IP address to the encoder LAN address:

192.168.X.168

DMZ Host		×
	DMZ Host:	
DMZ Ho	ost IP Address: 192.168.0. 168	
	Save	

Step 2: Enter the encoder settings page, System Settings - "Network Settings -" Port 8080 is changed to any number like 8099

204 Encoder	Network			
Status	LAN			
Encoder		DHCP:	Disable 🗸	
		IP:	192.168.1.168	
OSD		Netmask:	255.255.255.0	
System		Gateway:	192.168.1.1	
Network 🔸		MAC:	00:13:14:03:66:CC	
Password Serial to TCP	DNS			
Upgrade		DNS1:	8888	
Reset		DNS2:	61,139,2,69	
Reboot				,
Schedule Restart	NTP			
		NTP Enable:	Disable 🗸	
		NTP Server:	time.windows.com	
		Time Zone:	UTC+8 🗸	
	Port			
		HTTP Port:	8080	[1-65500] -8099
		RTSP Port:	8554	[1-65500]

Step 3: Enter the router page, in the running status option, check the IP address of the WAN port status as an example as shown below: 192.168.88.123

System Status	×
	*
Information	
System Time:	2022-07-05 17:00:32
Uptime:	59 min 16 s
Firmware Version:	V15.03.06.44_multi
Hardware Version:	V1.0
WAN Status	
Connection Type:	Dynamic IP Address
Connection Status:	Connected
Connection Duration:	58 min 51 s
IP Address:	192.168.88.123
Subnet Mask:	255.255.255.0
Default Gateway:	192.168.88.254
Primary DNS:	192.168.88.254
Secondary DNS:	
MAC Address:	D8:32:14:CA:BF:41

Step 4: Open the VLC software on the external network, set the network streaming address to: http://192.168.88.123:8099/0.ts, click play, you can watch the video source input by the encoder on the external network

OBS Studio capture encoder setting steps are as follows:

Step 1: Open OBS Studio, click "+" in the source interface, select VLC video source, create a new name and click OK (if there is no VLC option, please update the latest

version)



Step 2: Click the "+" on the right, select "Add Path/URL", enter http://192.168.88.123/0.ts in the text box, click OK, and click OK after the address appears in the playlist.

. . . .

Properties for 'VLC'	Video Source'	×
	🗸 Loop Playlist	^
	🗌 Shuffle Playlist	
Visibility behavior	Stop when not visible, restart when visible	-
Playlist		+
		Add Files
		Add Directory
		Add Path/URL
	· · · · · · · · · · · · · · · · · · ·	~ ~
Defaults	OK Can	ncel

 \times

🕞 Edit entry fro	om 'Playlist'		?	×
http://192.168.	88. 123/0. ts		Brow	#se
	ОК	Cancel		

Properties for 'VLC Video Source'

			^
	∑ Loop Flaylist		
Visibility behavior	Stop when not visible, restart when visible	•	
Playlist	http://192.168.88.123/0.ts	+	
		_	
		•	
			~
Defaults		OK Cancel	

Step 3: After the connection is successful, only the image but no sound can be set further. In the mixer interface of the main interface of OBS, find the small gear of the sound of the VLC video source, click the pop-up menu bar to select advanced audio properties, and select the advanced audio properties in the VLC video source. Select monitor and output in the audio monitor of , and then

close.



Name	Volume (%) Downmix to Mono			Balance	Sync Offset (ms)			Audio Monitoring		Tracks							
VLC Video Source	100	•					0	+	Monitor Off	•	☑ 1	2	🗹 З	☑ 4	5		
台式音响	100	÷		L		R	0	÷	Monitor Off Monitor Only (mute output) Monitor and Output	i)	⊘ 1	2	🗹 З	☑ 4	5		
麦克风/Aux	100	•					0	+	Monitor and Output	•	⊡ 1	2 2	🗹 З	☑ 4	5		