# Web GUI 1.1 Web GUI for Transmitter

Connect to the network the same way as the transmitter.

**Step 1:** The LAN port of the Transmitter is connected directly the network port of a Computer with an UTP cable. The HDMI IN port of the Transmitter is connected an source device such as DVD player with an HDMI cable. The Transmitter is connected power supply. The connection diagram is shown as below.



Figure 1: Video Stream connection diagram

Step 2: On the PC, go to Control Panel >Network and Internet> Network Connections> Local Area Connections, right click on it, choose Properties.



Double click Internet Protocol Version 4 (TCP/IPv4)

Local Area Connection Properties
Networking Sharing
Connect using:
Featek PCIe GBE Family Controller
Configure
This connection uses the following items:
🗹 🖳 Client for Microsoft Networks
🗹 📮 QuS Packet Schedule
Report File and Printer Sharing for Microsoft Networks
Internet Protocol Version 6 (TCP/IPv6)
Internet Protocol Version 4 (TCP/IPv4)
🗹 🔺 Link-Layer Topology Discovery Mapper I/C Driver
Link-Layer Topology Discovery Responder
Install Uninstall Properties
Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
OK Cancel

Choose "Use the following IP address", input 192.168.10.200 as IP address, 255.255.255.0 as Subnet mask, and then click on OK, click on OK again.

Internet Protocol Version 4 (TCP/IPv4)	Properties ? ×						
General							
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.							
Obtain an IP address automatical	ly						
Ose the following IP address:							
IP address:	192 . 168 . 10 . 200						
Subnet mask:	255.255.255.0						
Default gateway:	• • •						
Obtain DNS server address auton	natically						
• Use the following DNS server add	resses:						
Preferred DNS server:							
Alternate DNS server:	• • •						
Validate settings upon exit	Advanced						
	OK Cancel						

**Notice**: The IP address of the computer and Transmitter should be in the same network segment. As the Transmitter's IP address is 192.168.10.10, the computer's IP should be 192.168.10.X (X contains 1~255 except 10).

Step 3: Input the Transmitter's IP address into your browser on the PC to enter

#### Web GUI page:

		•	
Username: Password:	Admin 🔹	LOGIN	
	HDMI OVER IP		password: adm

#### Status page

	HDMI OVER IP	
HERE DE ALTACON MUTURACI.	Status	
Status	Firmware Version	V1.00.02
Network	IP Address	192.168.54.135
Update	Subnet Mask	255.255.255.0
	Gateway	192.168.54.1
	MAC Address	6c:df:fb:02:e9:00

#### Video page

	HDMI OVER IP					💄 Admin 📗 Log out
HIGH DEPTRITION MALTIMEDIA INTERPACE						
Status	MainStream					
Video		Dectype		Resolution		Bitrate (1024~20480)Kb/s
		H265	$\sim$	Auto	$\sim$	10240
Network	SubStream					
Update		Dectype		Resolution		Bitrate (256~2048)Kb/s
		H265		720*576		2048

Dectype: The dectype is H265 at MainStream or SubStream.

**Resolution:** There is a pull-up frame when you click the blue arrow area. You can choose an output resolution.

MainStream resolution includes 1280\*720, 1920\*1080 and Auto.

Substream resolution includes 352\*288, 640\*480, 720\*576.

Bitrate: You can set bitrate at MainStream or SubStream, and then click blank on the webpage to

confirm this operation. The MainStream range is from 1024Kb/s to 20480Kb/s and the SubStream range is from 256Kb/s to 2048Kb/s.

**Note:** You can only use either MainStream or SubStream in VLC media player. The MainStream has larger resolution and bitrate than the SubStream. So, the MainStream picture is clearer than the SubStream.

	IP Settings						
	Mode	Static	DHCP				
Status	IP Address	192.168.10.104				Gateway	192.168.10.1
Video	Subnet Mask	255.255.255.0				Web Port	80
Network							
Update	Web Login S	ettings					
	Username	User	Admin				
	Old Password						
	New Password						
	Confirm						
	Password						
				Set Netw	vork Defaults	Save	

### Network page

#### **Network Configuration**

◆ In DHCP open status:

DHCP switch: Obtain automatically the network configuration information, including IP address, Subnet, Gateway.

◆ In DHCP close status: DHCP switch: If the DHCP switch has been closed, you can set IP, Subnet, Gate address. You must pay attention to the Gate address and the IP address in the same network segment. IP address and Gate address can not the same in the last address. You don't need to change the Subnet address. In this moment, click the "Save" button to save current status information.

**Note:** If you have changed the Network Configuration and clicked the "Save" button. You have changed the IP address, and you can continue use current Web GUI function. But next time you connect Web GUI, you need to use the IP address that you set before. The IP address will recover default 192.168.10.10 when the product is set factory reset.

Status button: Clicking this button will refresh currently network configuration information to display in Status Log.

port: Set port value. The default value is 80.

Note: You can press the "Set Network Defaults" button of the Transmitter to recover default IP address. The default IP address is 192.168.10.10. And default is DHCP ON. Update page

	HDMI OVER IP				
Status	TX				
		Deruge No file of			
Video	SOC Update	Browse	losen	Update	
Network					
Update	Factory Reset			Reset	
	Reboot			Reboot	

Firmware update port, open a bin. file and then click "Upgrade" button to update Transmitter firmware.

**Note:** When the update file is too large, the upgrade progress could stay a long time in 99%. This is normal. Please do not turn off the power or click the "Reset" or "Reboot" button until the progress has reached 100%.

**Very important:** After upgrade clear the browser cache so the update can take effect e.g. Chrome: Ctrl+shift+delete

"Reset" button set the machine to factory setting.

#### **1.2 VLC media player instruction**

When you have connected the Web GUI, then you need to open the VLC media player software on the computer.

Step 1: Click "Media > Open Network Stream"

🛓 VI	LC media player			
Med	lia) Playback Audio Video	Subtitle Loc	ls View	Help
	Open Fle Open Multiple Files Open Folder Open Disc	Cul+O Ctrl+Shift+ Ctrl+F Ctrl+D	o	
	Open Capture Device Open Location from dipboard Open Recent Modia	Ctrl+C Ctrl+V	•	
((+1)	Save Playlist to File Convert / Save Stream	Ctrl+Y Ctrl+K Ctrl+S		
<	Quit at the end of playlist Quit	Ctrl+Q		
		sx		() 273

**Step 2:** At this time, you will see the following page. You need to enter a network URL. If you want to enter MainStream, please input a MainStream network URL. The MainStream is "rtsp://192.168.10.10/live/main/av\_stream". If you want to enter SubStream, please input a SubStream network URL. The SubStream is "rtsp://192.168.10.10/live/sub/av\_stream". Then click the "Play" button. Please see the following page.

🔒 VLC media player	
Media Playback Audio Video Subtitie Tools View Heip	
💽 File 😙 Hise 😾 Melyork 😇 Kartone Herrice	
-Netvork Protocol	
Please enter a network 'RL.	
rtsp.//192.166.10.10/1:ve/mair/az_stream 💌	
http://www.example.com/stream.avi	
rtp://@-1234 mms://mms.examples.ccm/stream.asx	
<pre>rtsp.//server.example.org.8080/test.sdp http://www.yourtube.com/watch?v=cc5ix</pre>	
Show more splions	
[?lsy ▼] Canzel ]	
	913
	•••

#### Notes:

(1) If you enter a MainStream network URL, you can use the MainStream to control the VLC media player on the Video page of Web GUI. If you enter a SubStream network URL, you can use the SubStream to control the VLC media player on the Video page of Web GUI.

(2) If the VLC media player is not work well, please check the IP address (the IP address of the computer and product should be in the same network segment.) and network connection status.
(3) If everything is OK, the product boot static IP need to a little time to communication for router. Please try it more times.

**Step 3:** If you enter a MainStream network URL, you can use the MainStream of the Web GUI to setting the Dectype, Resolution and Bitrate value of the VLC media player.

	HDMI OVER IP					💄 Admin	Log out
Status	MainStream						
Video		Dectype		Resolution		Bitrate (1024~20480)Kb/s	
		H265	~	1920*1080	$\sim$	2048	
Network	SubStream						
Update		Dectype		Resolution		Bitrate (256~2048)Kb/s	
		H265	$\sim$	720*576	~	256	

At the same time, you can check the setting on VLC media player. Choose "Tools>Codec information" to check current codec and resolution.



Choose "Tools>Codec information>Statistics" to check current bitrate. Please see the following picture.

	and the second se
Current Media Information	
Ceneral Fetadara Codes :	Totistics
	·
turient neura 7 sirean sietistik	3
# Audio	
Decoded	2519 blocks
Played	2519 buffers
Toxt	3 buffers
4 Video	
Decoded	1338 blocks
Displayed	1324 frames
Lost	0 frames
4 Input/Read	
Media data size	0 KiB
> Input bitrate	0 kb/s
Demuxed data size	112874 KiB
Content bitrate	17279 kb/s
Discarded (corrupted)	
Dropped (discontinued)	0
4 Output/Written/Sent	
E and	() nackets

Note: The bitrate is floating up and down when you check it. This is a normal phenomenon.

#### 2. Web GUI for Receiver

The Receiver connects in the same way.

## **Network Configuration**

The default IP address is 192.168.10.11. And default is DHCP ON.

# Video page

Hami	HDMI OVER IP
HIGH DEFINITION MALTIMEDIA INTERFACE	
Status	Transtype
Video	Transtype udp multicast 🗸
Network	
Update	
Transtype	
Transtype	udp multicast
	udp unicast
	udp multicast

Transtype: You can select "udp multicast" or "udp unicast".