SRT Configuration Guide with vMix

(For Kiloview Encoder/Decoder)

Note: Please install the right version of vMix which supports SRT (eg.23.0.0.21)

-, vMix receives SRT stream from encoder via Listener mode

1、 Open vMis, click "Add input- More" and then choose Stream/SRT as following picture:

vMix Basic - 23.0.0.21 x64			- 🗆 X
Preset New Open + Save Last	Fullscreen +	Pause Inputs	Basic Settings ?
Input Select	2005 C 2000		×
Video Stream Type	TSP over UDP	~	
URL URL	24		
List Buffer	300 milliseconds	Low Latency Mode	
Camera			
NDI / Desktop Capture			
Stream / SRT			
R Instant Replay			
Image Sequence / Stinger			
👛 Video Delay			
Image			
Photos			
PowerPoint			
Colour			
Audio			Audio Mixer
1 Blank Audio Input			
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Virtual Set			Clear
Web Browser			
Video Call	1	Rumber 1 V OK	Cancel
Close Quick Play Cut Loop Close Quick Play Cut Loop			
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2、Choose "Stream Type" as "SRT (Listener)", then configure "Port" "Latency" "Passphrase" (if need), "Decoder Delay", then click " OK" to finish the configuration.

In	put Select			×
$\mathbf{\Sigma}$	Video	Stream Type	SRT (Listener) 🗸 🗸	
0	מעם		Port 53335	
	List	Latency (ms)	Passphrase	🗹 Vse Hardware Decoder
	Camera	Decoder Delay (ms)]	
	NDI / Desktop Capture			
A	Stream / SRT			
R	Instant Replay			
R	Image Sequence / Stinger			



3. In the vMix web management, you can get that vMix is listening SRT stream in Input1, if no stream, then it shows black screen.

vMix Ba	sic - 23.0.0.2	1 x64																	\times
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4. If use Kiloview encoder as caller to connect SRT, then please configure "Handshake mode", IP address", port""Transport latency" and so on. (The parameter should be corresponded to that of vMix)

Primary Stream SRT-TS Pushing Parameters

Open SRT service	Yes		•
Handshake Mode	CALLER		T
Address	192168.3.177		
Port	53335	~	
	(Please fill in the va	lue of 0-6	5536)
Transport Delay(ms)	125	\$	220
	(Please fill in the val	ue of 0-50	00)
	Close		T



5. After the SRT is properly connected, the vmix can receive and display the video image transmitted by the encoder normally.





二、vMix pushes SRT stream to decoder in Caller mode

1、Click on the **button** at the bottom and select "Output/NDI/SRT Settings"



2. Pop up the Settings menu and select the "Outputs/NDI/SRT" option.

The source of "Output" selects the video source to be transmitted (if Input1 is selected, it is necessary to ensure that Input1 has a video signal). Click to pop up the "Output Settings" dialog box, check "Enable SRT", select "Type"- "Caller", "Hostname", "Port", "Latency", "Passphrase" and "Quality". Configure the corresponding parameters, check "Use Hardware Encoder" and click "OK" to confirm. (Normally "Use Hardware Encoder" needs to be selected manually to improve coding ability)

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Note: After modifying the parameters, the vMix program may need to be restarted for the parameters to take effect.

1.2



2. Add a SRT video source to receive SRT stream to a Kiloview decoder, set "name", "Handshake mode" as "Listener".

	Add Source	
* Name	SRT	
URL address	RTSP RTMP RTMPS RTP UDP HTTP SRT	
* Connection Mode	Listener	
* Listener Port	53335	
* Latency(ms)	125 (0~5000)	
	Cancel OK Display advance setting	

"Port" and "Transport delay" can be configured the same with vMix.

3. Please check the SRT handshake mode connection if it's normal with the decoder, and to see if there

is any video output. If not, please click on the left side of "External", to select "SRT"-"Enable" option, to configure the device again and turn off , then to restart vMix stream. (Enable means that the stream status is on.)

