[Support Package]

ID	TS-00110	Created	Mar. 23, 2006
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Category	System Integration	Sub Category	ISV Software
Product			
Purpose	How to test RTP protocol with ACTi devices?		
Support URL	http://www.acti.com/support		
Tech Support	Customer.service@acti.com		
MSN Messenger ID	Customer.service@acti.com		

How to test RTP protocol with ACTi devices?

Table of Contents

RTP supported mapping table

Client Server	VLC 0.8.5	Quick Time	Media Player	NVR2.0	Activator 1.4 3.0	Trancoder SED-33xx ACD-3100
MPL	YES	YES	N/A	N/A	N/A	YES
EPL	YES	N/A	N/A	N/A	N/A	YES
NVR2.0	N/A					

	MPL	EPL	NVR2.0
RTP over UDP	YES	YES	N/A
RTP over TCP	YES	N/A	N/A

MPL includes SED-21xx, SED-231xQ, SED-24xx, SED-2610, CAM-52xx, CAM-53xx, CAM-65xx, CAM-66xx, CAM-72xx, CAM-73xx

EPL includes ACM-11xx, ACM-1311, ACM-143x, ACM-31xx, ACM-3211, ACM-3311, ACD-2100, ACD-2200,

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MPL camera

RTP over TCP
RTP over UDP

RTP Client (VLC)

RTP over UDP

EPL camera

None

NVR Server
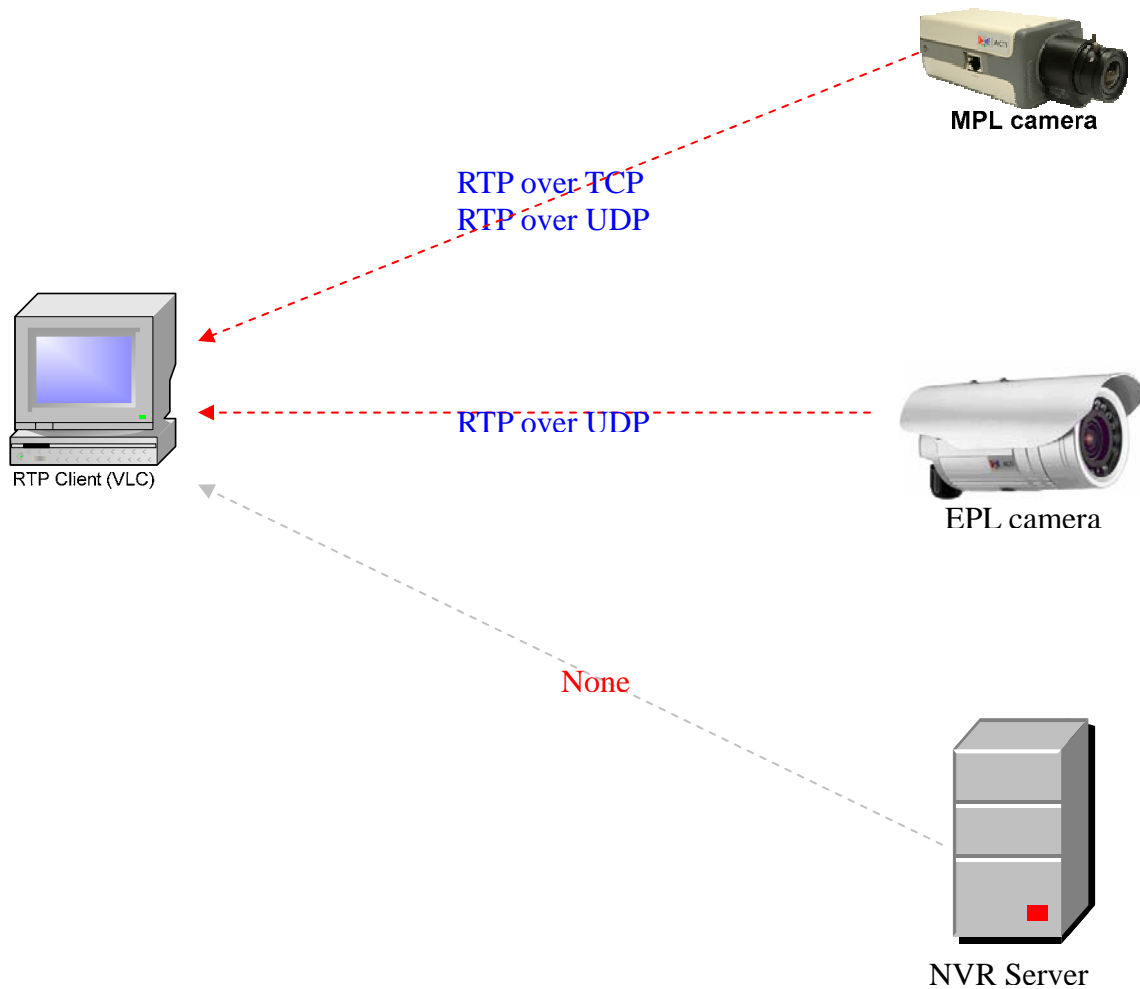
IMPORTANT: When receiving video stream with RTP via Router, you have to enable RTP over TCP in VLC. Currently, it only works with MPL cameras.
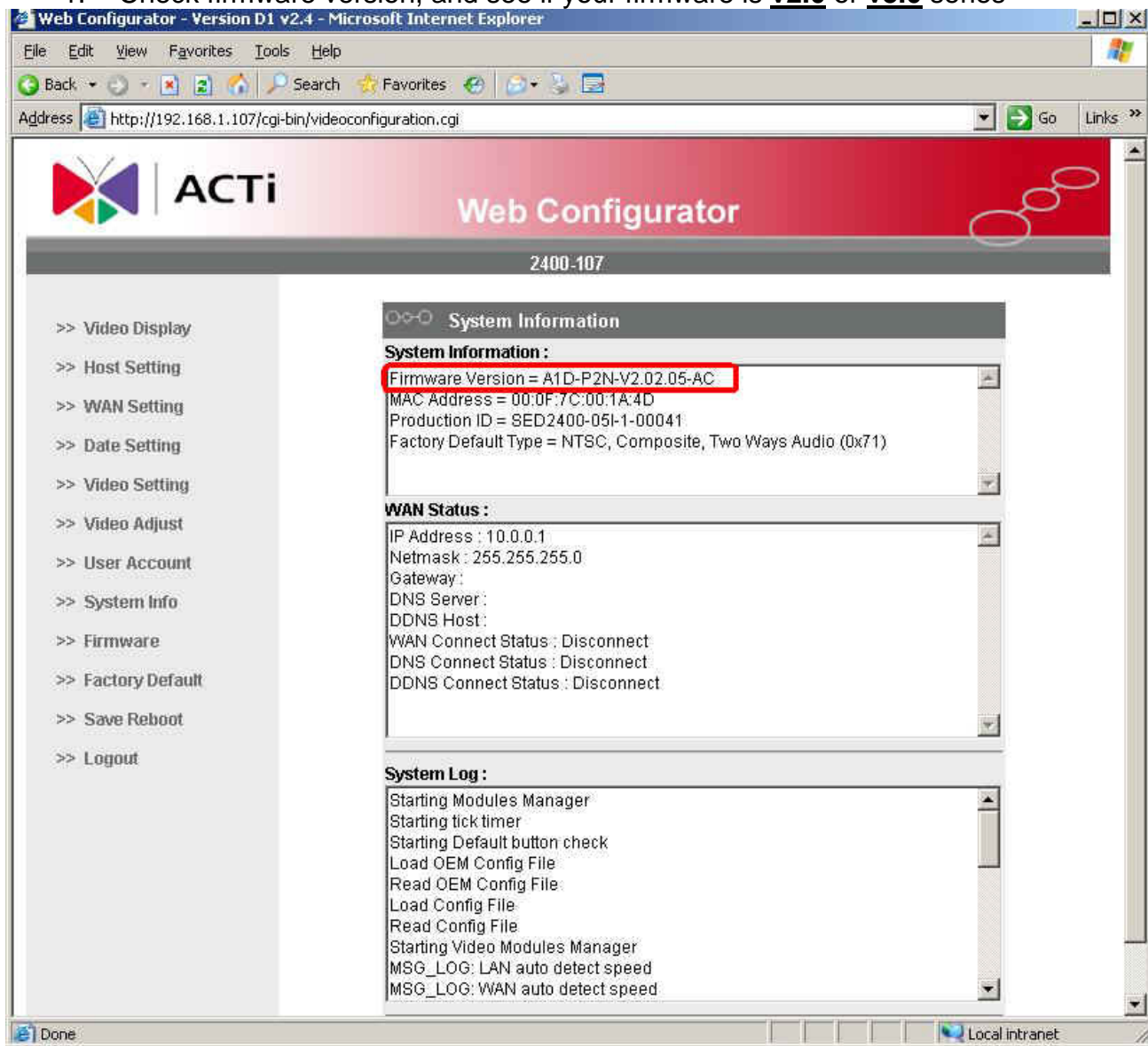
IMPORTANT: Currently, all ACTi cameras and video server only support one way audio with RTP; currently, two way audio is not supported over RTP.

Setup Firmware

Step 1: You need to have "TCP v2.0"-compliant devices

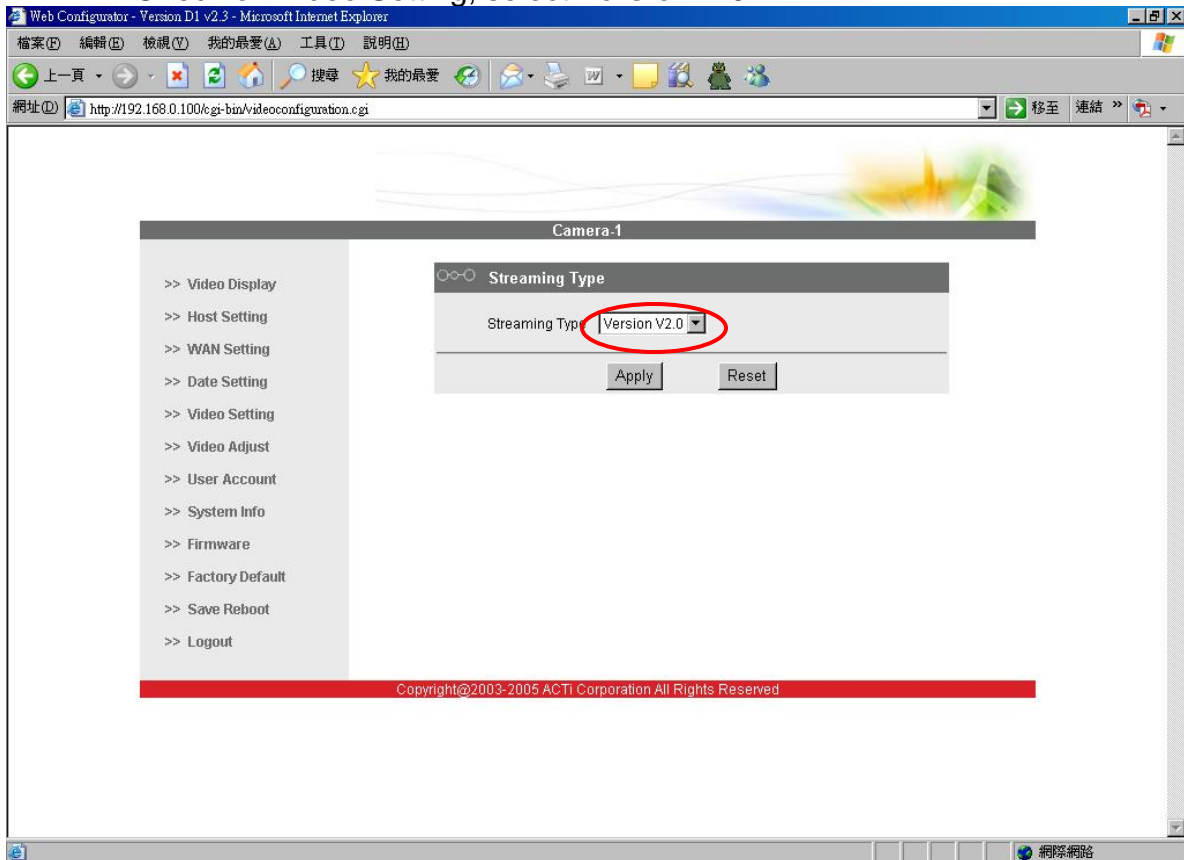1. Check firmware version, and see if your firmware is **v2.0** or **v3.0** series

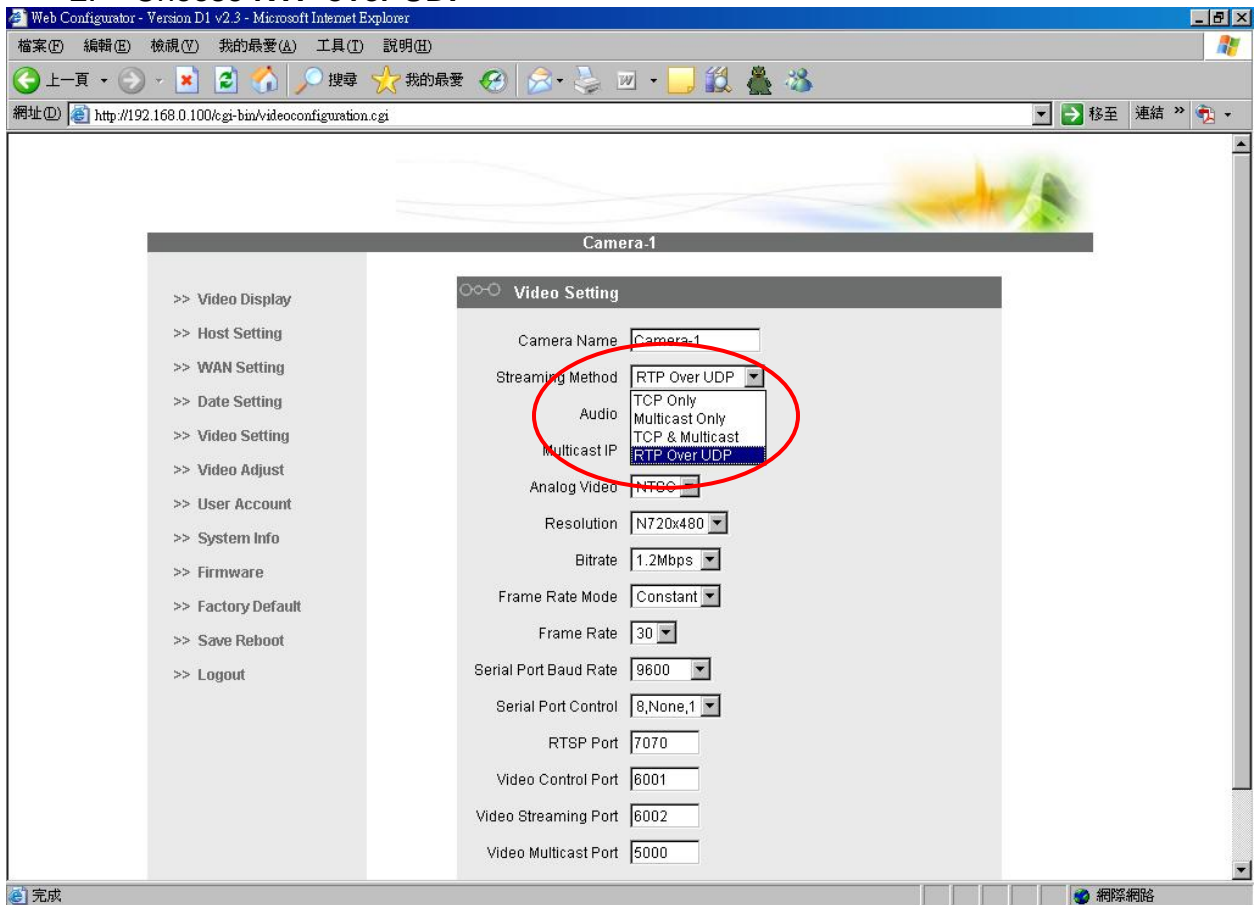| ❌	**IMPORTANT:** Note that after firmware v2.04, RTSP will need account/password authentication

Step 2: Setup RTP Mode in firmware

1. Check on Video Setting, select **Version 2.0**

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2. Choose **RTP over UDP**

How to configure RTP over TCP

When you want to see video stream through firewall/router, generally, firewall/router block UDP packets by default, so in this case, RTP over TCP is the only way to see video stream through firewall/router. However, all EPL products do not support this function currently.
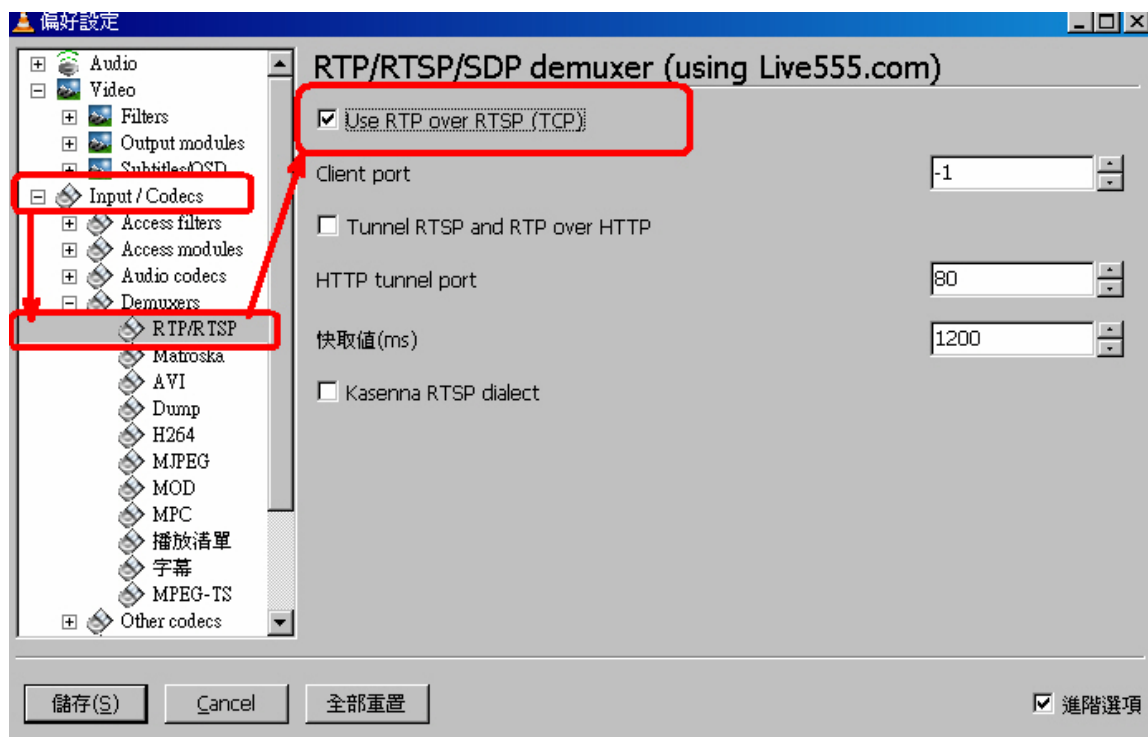
IMPORTANT: When using EPL cameras, please **don't** enable Use RTP over RTSP(TCP), otherwise, you would not be able to see video stream.

How to setup Transcoder over RTP

Please select connect type as RTP

Please enable the control data function in Transcoder's Web Configurator then user can control PTZ with control panel over RTP
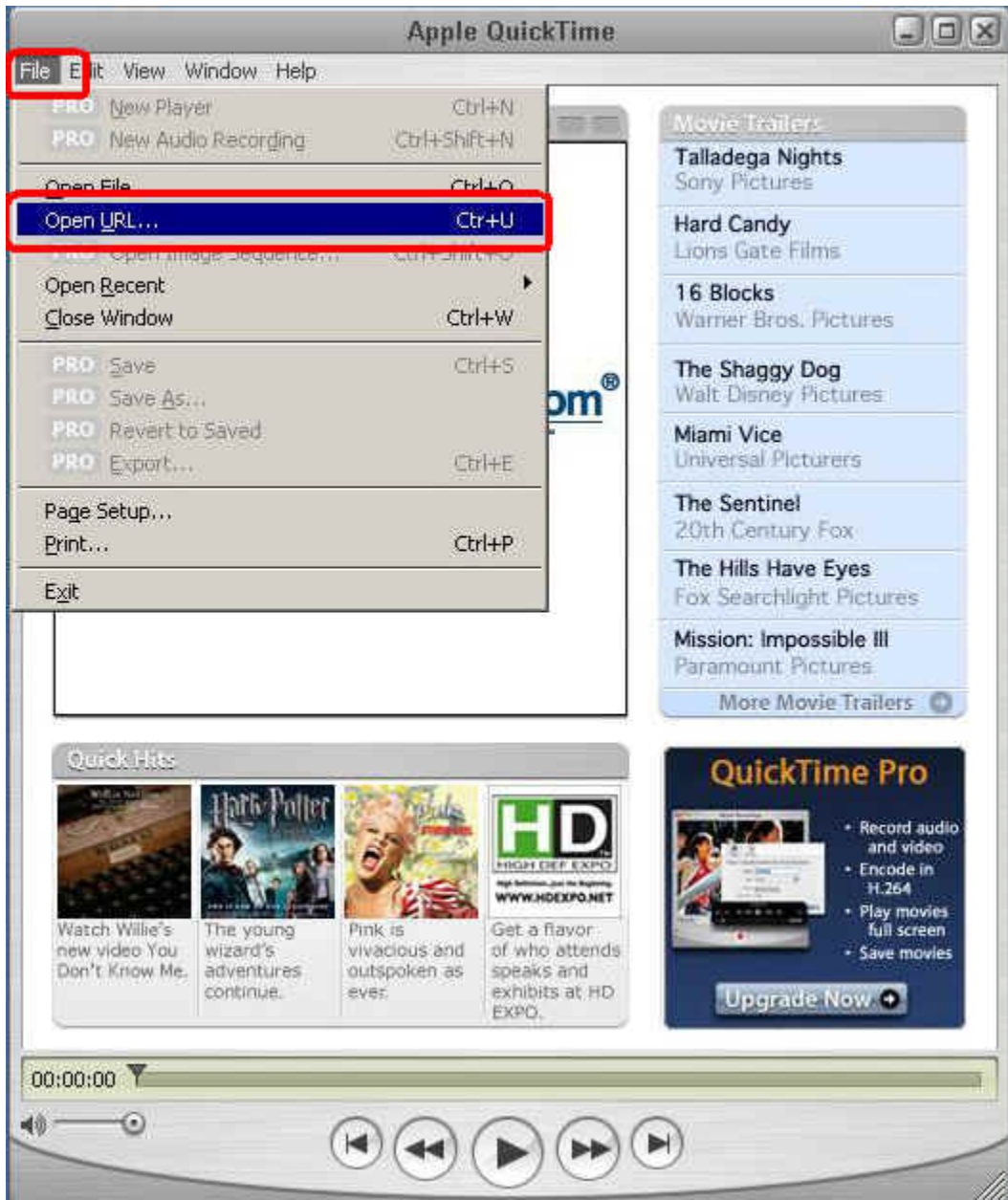
Test with Apple QuickTime Player
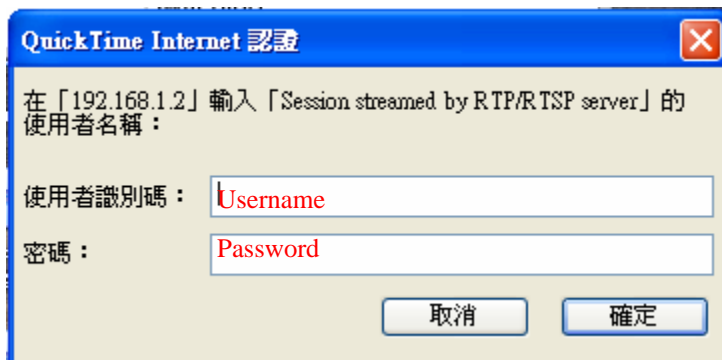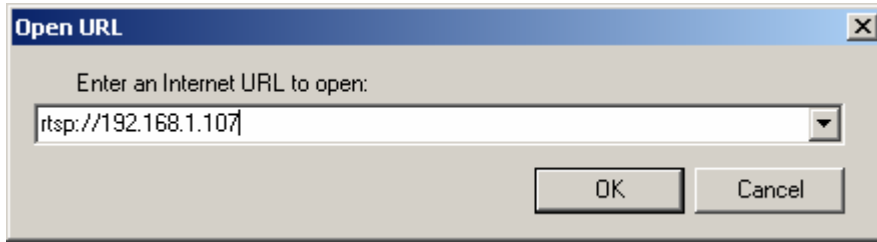
Step 1: Download it from Apple web site

http://www.apple.com/quicktime/download/win.html

Step 2: Click on File -> Open URL

Step 3: Enter URL with rtsp://<IP Address>

Step 4: Apple QuickTime Player plays video from ACTi device
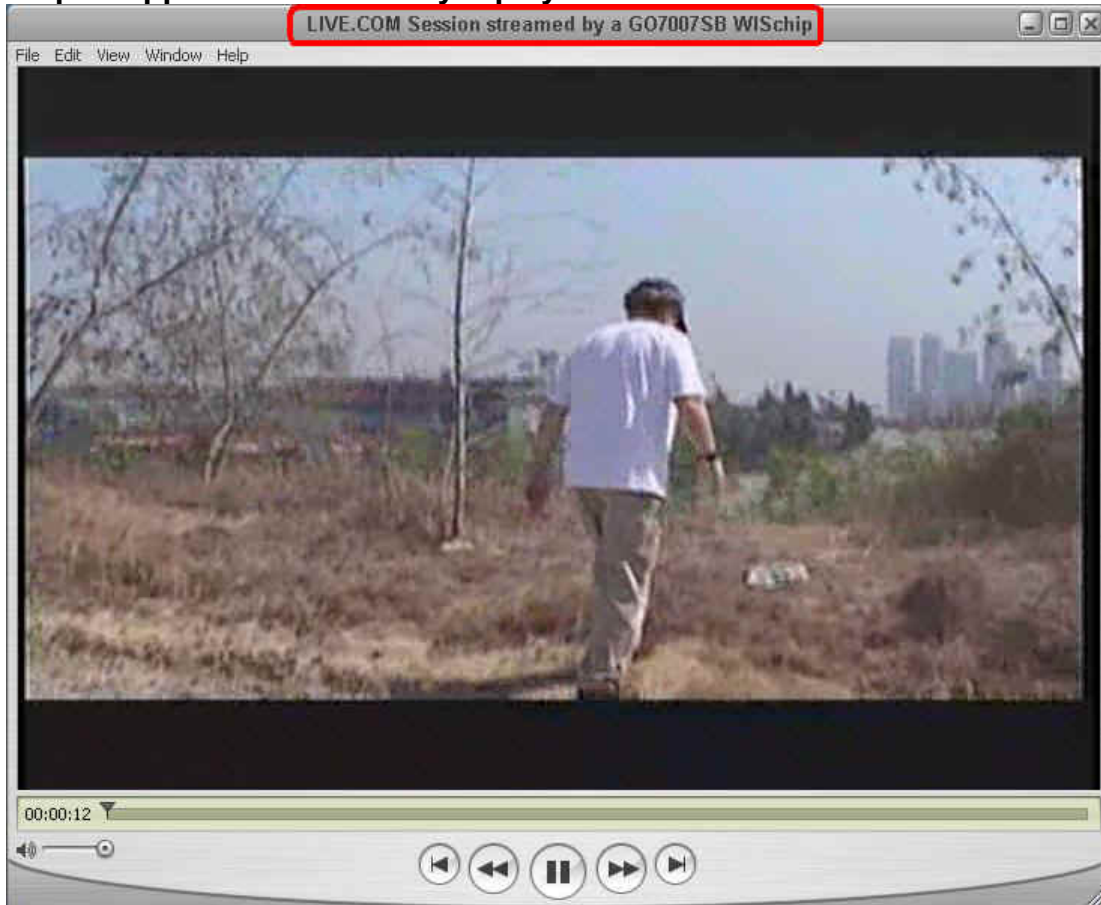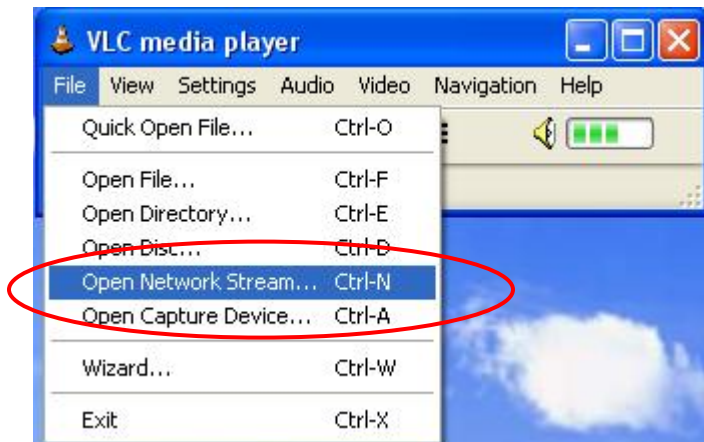
Test with VideoLan VLC Player

Step 1: Download it from VideoLan web site

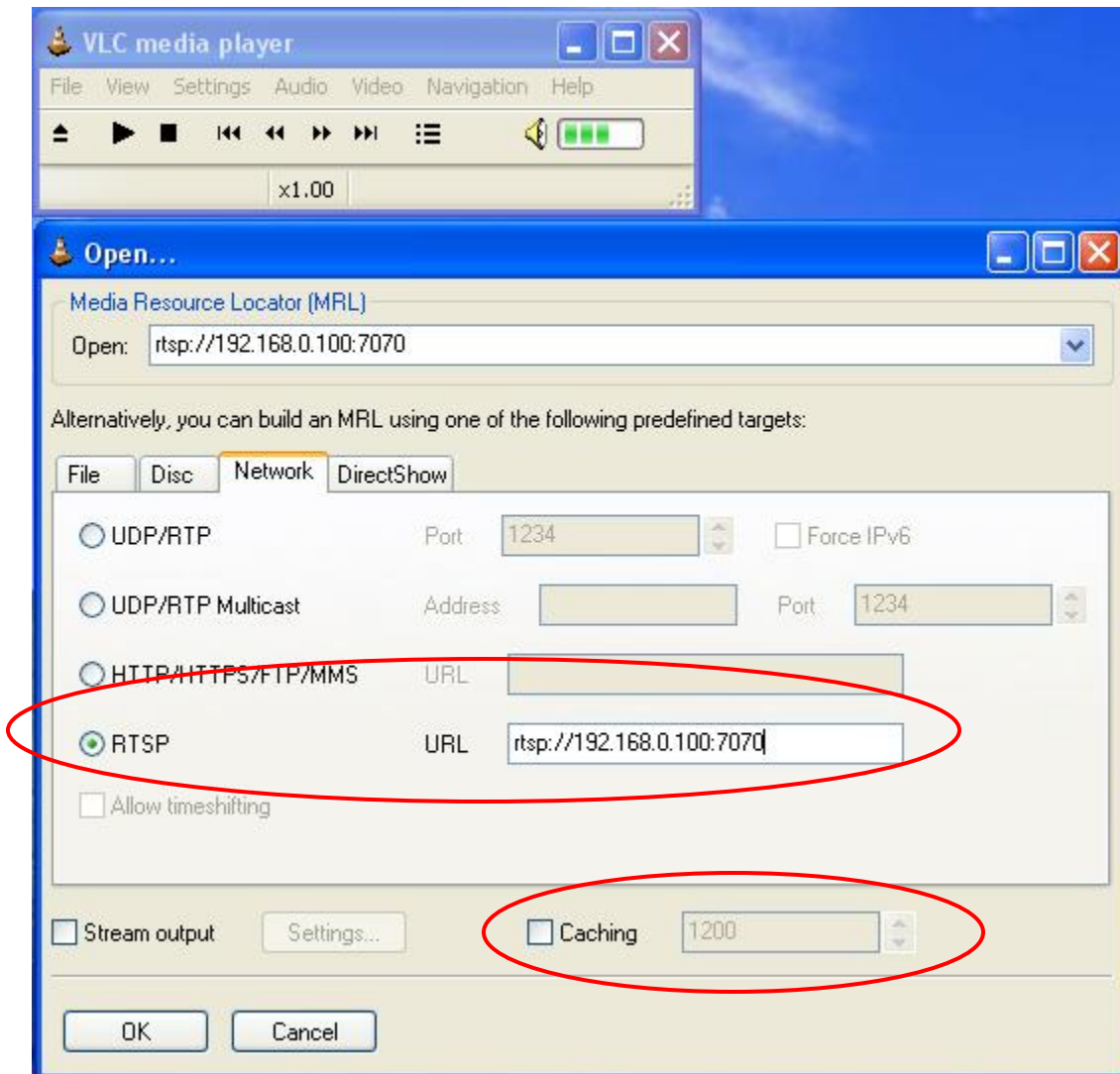http://www.videolan.org/vlc/download-windows.html

Step 2: Click on File -> Open Network Stream

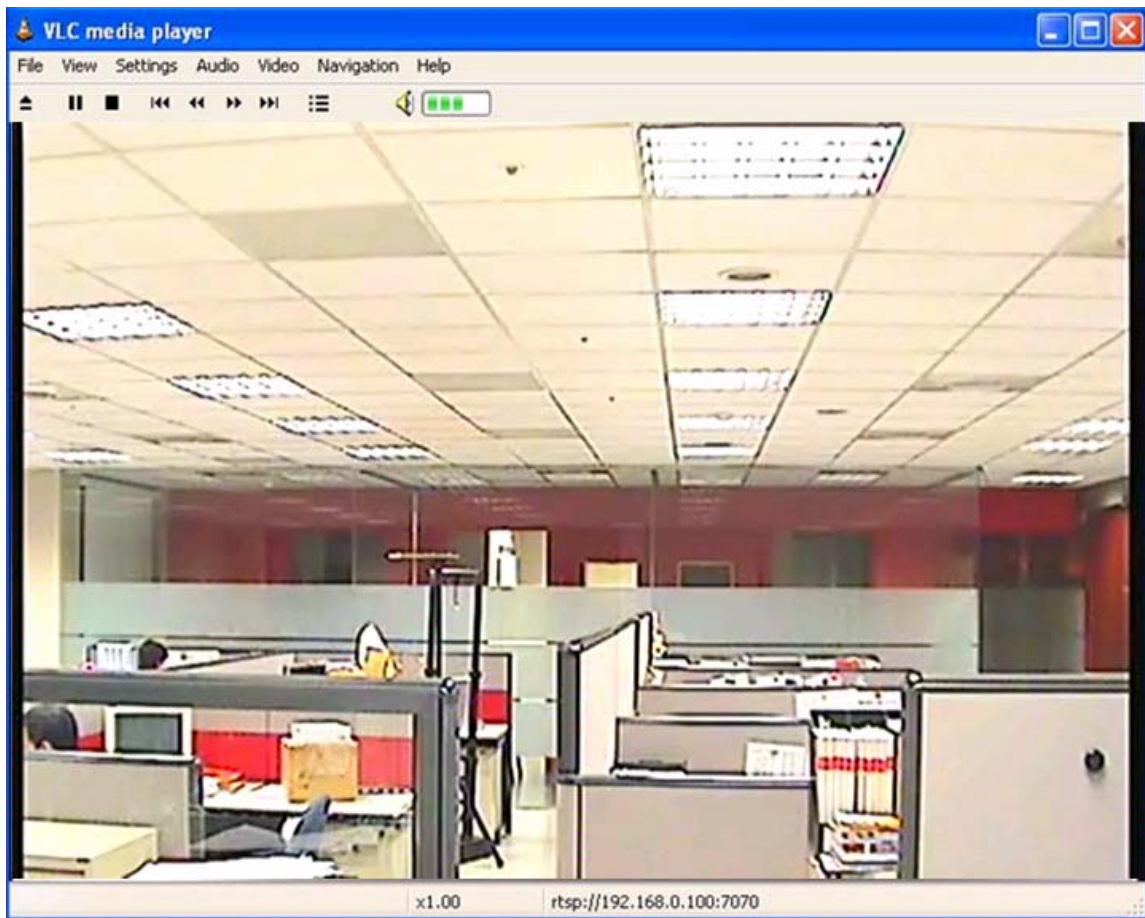**Step 3: Enter MRL with rtsp://<IP Address>:7070**

❌	**IMPORTANT:** Note that after firmware v2.04, RTSP will need account/password authentication. Please enter following command instead: `rtsp://Admin:123456@192.168.1.107:7070`

Step 4: Minimize the video latency in VLC Player

Please check "**Caching**" and set the value to **80**. The video latency via RTP/RTSP will be minimized without sacraficing video quality.

Step 5: VLC Player plays video from ACTi device

ACTi MPEG-4 and RTP/RTSP Spec.

Step 1: Contact ACTi Sales representative

1. To obtain the detailed specification of MPEG-4 and RTP/RTSP specification, you need to contact ACTi Sales representative first, sign the NDA, then you will receive the detailed specification.
2. If you do not know any ACTi Sales representative, please contact sales@acti.com