

# MVC Live Streaming on RUT2xx manual

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## 1. Configuration

### 1.1. Making RUT2xx accessible by Internet

1.1.1. Open RUT230 WebUI.

1.1.2. Make it accessible by WebUI via public IP and enable remote HTTP access. To enable remote HTTP access go System -> Access Control -> General in the middle of the page and select “Enable remote HTTP access”

**WebUI**

Enabling remote HTTP access or remote HTTPS access makes your device reachable from WAN, this might pose a security risk, especially if you are using a weak or default user password!

Enable HTTP access

Enable remote HTTP access

Port

Enable remote HTTPS access

Port

Enable JSON RPC

(Before enabling remote HTTP access we strongly recommend to change your default password)

### 1.2. Creating Port Forwarding rules for MVC camera

1.2.1. Go to Network -> Firewall -> Port Forwarding.

1.2.2. Scroll down until you see “New Port Forward Rule”.

1.2.3. Select name for your rule for easy management.

1.2.4. “External port(s)” – port number. For example: 22222

1.2.5. “Internal IP” – IP address of device you want to reach. For example: 192.168.1.10 (IP address of MVC camera)

1.2.6. “Internal port(s)” – port number of end device. For example: 80 (The default port number for HTTP)

1.2.7. Press “Add”

1.2.8. Press “Save”

**New Port Forward Rule**

Name	Protocol	External port (s)	Internal IP	Internal port (s)	
<input type="text" value="Example"/>	TCP+UDP <input type="button" value="v"/>	<input type="text" value="2222"/>	192.168.1.10 <input type="button" value="v"/>	<input type="text" value="80"/>	<input type="button" value="Add"/>

Now MVC camera is accessible by WebUI via public IP. To access it in web browser enter the public IP of the RUT and port number. For example: "84.15.159.277:22222".

Now we need to create port forward rule RTSP client.

1.2.9. Select name for easy management.

1.2.10. External port(s) - the port number which you will be using for RTSP to view live streaming in media player. For example: 33333

1.2.11. "Internal IP" – IP address of device you want to reach. For example: 192.168.1.10 (IP address of MVC camera)

1.2.12. "Internal port(s) – port number off end device. For now we need to specify RTSP port number which by default is 8556.

1.2.13. Press "Add"

1.2.14. Press "Save"

Name	Protocol	External port (s)	Internal IP	Internal port (s)	
<input type="text" value="Example"/>	TCP <input type="button" value="v"/>	<input type="text" value="33333"/>	192.168.1.10 <input type="button" value="v"/>	<input type="text" value="8556"/>	<input type="button" value="Add"/>

### 1.3. Using RTSP to watch an stream in iSPY media player

1.3.1. For this step you need to connect to MVC camera by WebUI via public IP and port number. For example: 84.15.159.227:22222 and copy RTSP URL which can be found in MVC cameras WebUI:

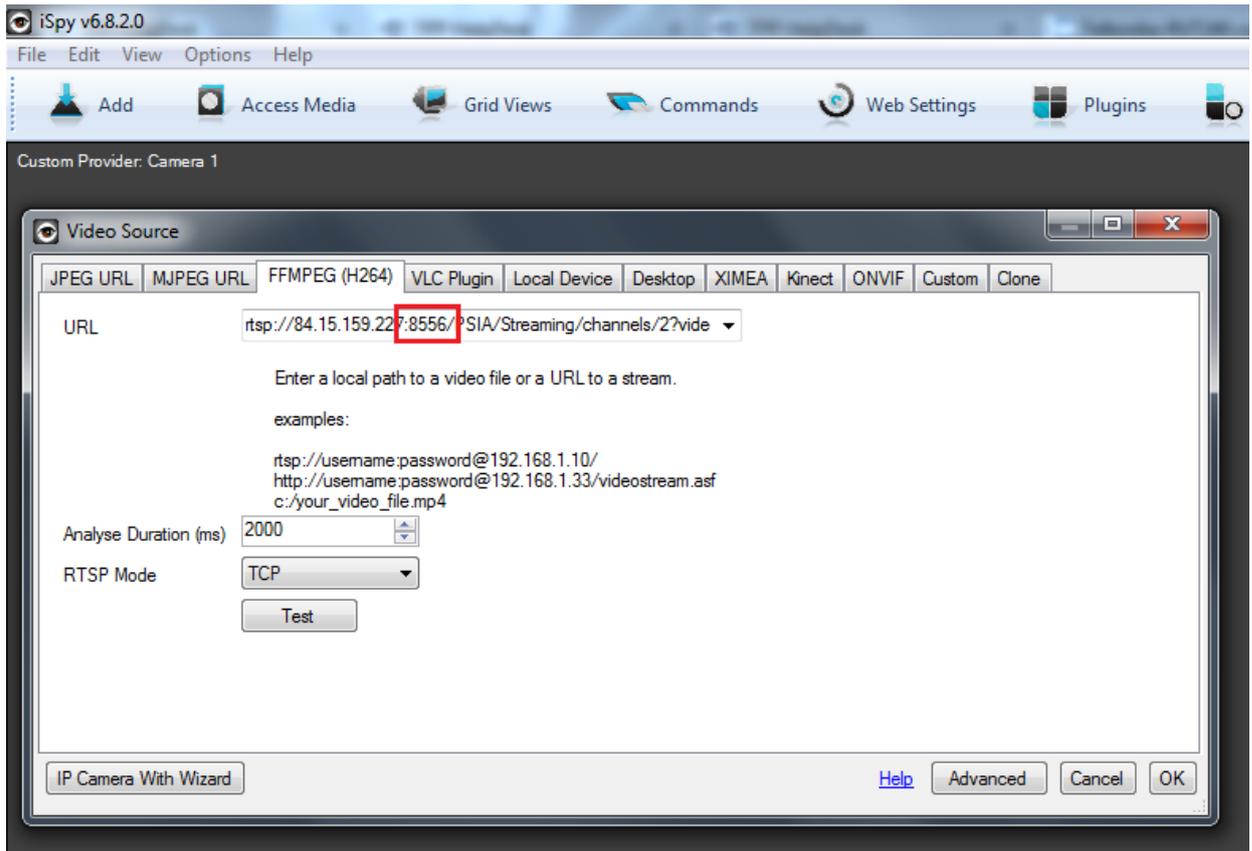
"rtsp://84.15.159.227:8556/PSIA/Streaming/channels/2?videoCodecType=H.264"

1.3.2. Connect MVC camera to RUT2xx via LAN.

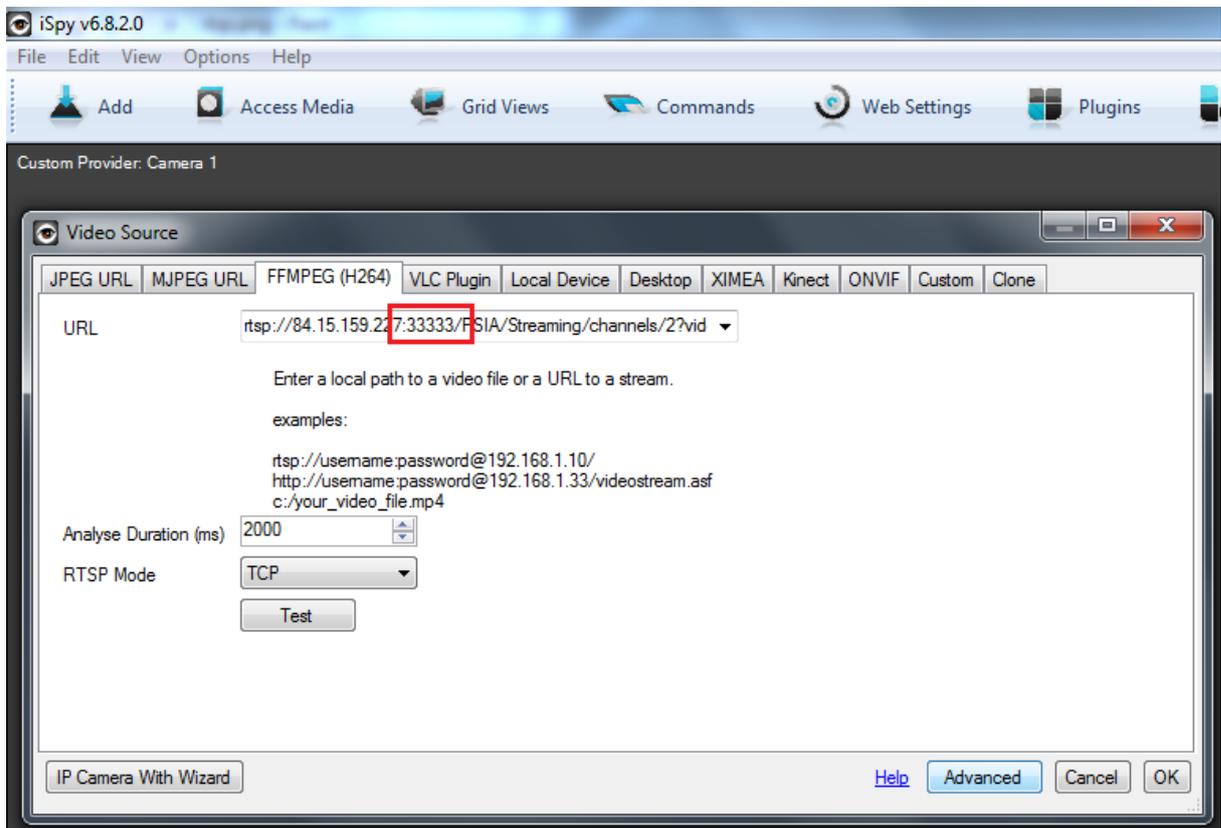
1.3.3. Go to <https://www.ispyconnect.com/download.aspx> download and install it.

1.3.4. Open it and go to ADD -> Other Video Source select „FFMPEG (H264)“ and enter the URL code which you copied:

rtsp://(IP address):(RTSP port)/PSIA/Streaming/channels/2?videoCodecType=H.264



1.3.5. Change port number which from „8556“ to the port number you used in 1.2.10 paragraph. For example we used „333333“



1.3.6. Press “Ok”.

1.3.7. Press „Finish“

Now you should see live stream through “iSPY” media player.

