# **RTP multicast:**

1. type in commend to enable RTP multicast of RTP[0] and RTP[1]on the web address <a href="http://ip/cgi-bin/configManager.cgi?action=setConfig&Multicast.RTP[0].Enable=true">http://ip/cgi-bin/configManager.cgi?action=setConfig&Multicast.RTP[0].Enable=true</a> my IPC's IP address is 10.25.2.237, so this commend should be

http://10.15.2.237/cgi-bin/configManager.cgi?action=setConfig&Multicast.RTP[0].Enable=true\_

WEB page will let you enter login and password, then will shows  $\ensuremath{\mathsf{OK}}$ 

← ) @ http://10.1	15.2.237/cgi-bin/configManager.	cgi?action=	=setConfig&Multicast.RTP[0]	].Enable=true
10.15.2.237	<i>ế</i> 10.15.2.237		<i>(</i> 10.15.2.237	

OK

The same commend do with:

http://10.15.2.237/cgi-bin/configManager.cgi?action=setConfig&Multicast.RTP[1].Enable=true, shows OK as well.

2. Check Multicast information use:

#### http://ip/cgi-bin/configManager.cgi?action=getConfig&name=Multicast

The default port for RTP[0] is 40000 and for RTP[1] is 40001, the default RTP port is 554. You can vertify RTP port on the web page setting:

🧲 🕘 🧟 http://10.15	5.2.237/				
10.15.2.237	10.15.2.237	🥥 10.1	5.2.237	🥖 Setup	×
(alhua					
TECHNOLOGY					
► Camera	Connection				
T Network	-				
> TCP/IP	Max Connection	10	(1~20)		
> Connection	TCP Port	37777	(1025~65534	)	
	UDP Port	37778	(1025~65534	)	
	HTTP Port	80			
> DDNS		Provide and a second			
> IP Filter	RTSP Port	<b>5</b> 54			
> SMTP(Email)	HTTPs				
> UPnP	HTTPs Port	443			
> SNMP		Default	Refresh	Save	
> Bonjour		Deladit	I I I I I I I I I I I I I I I I I I I	Gave	
> Multicast					

You can see as followed RTP status after putting commend, both enable are true **Please note, for RTP multicast, both RTP [0] and [1] must enabled; The RTSP Port must be even** 

S (2) (2) http://10.1	5.2.237/cgi-bin/configManage	er.cgi?action=getConfig&name=Multic	ast	
10.15.2.237	× 🤇 10.15.2.237	@ 10.15.2.237		
table.Multicast.DHI	<pre>II[0].Channel=0</pre>			
table.Multicast.DHI	<pre>II[0].Enable=true</pre>			
table.Multicast.DHI	II[0].LocalAddr=192.16	8.1.101		
table.Multicast.DHI	<pre>II[0].MulticastAddr=23</pre>	9.255.42.42		
table.Multicast.DHI	II[0].Port=36666			
	<pre>II[0].StreamType=Main</pre>			
table.Multicast.DHI				
table.Multicast.DHI				
	<pre>II[1].LocalAddr=192.16</pre>			
	<pre>II[1].MulticastAddr=23</pre>	9.255.42.42		
table.Multicast.DHI	A STATE OF A			
	<pre>II[1].StreamType=Extra</pre>	1		
table.Multicast.RTE				
table.Multicast.RTH				
table.Multicast.RTF				
		00:0000:0000:0000:8000:0000		
	P[0].LocalAddr=0.0.0.0 P[0].MulticastAddr=239	0.1.1		
table.Multicast.RTF		.0.1.1		
	P[0].StreamType=Main			
table.Multicast.RTF				
table.Multicast.RTF				
table.Multicast.RTE				
table.Multicast.RTF				
		00:0000:0000:0000:8000:0000		
	P[1].LocalAddr=0.0.0.0			
	P[1].MulticastAddr=239	.0.1.1		
table.Multicast.RTE				
	<pre>P[1].StreamType=Extra1</pre>			
table.Multicast.RTE				
table.Multicast.TS[				
table.Multicast.TS	[0].Enable=true			
table.Multicast.TS	[0].LocalAddr=0.0.0.0			
table.Multicast.TS	[0].MulticastAddr=224.	1.2.7		
table.Multicast.TS[	[0].Port=20000			
table.Multicast.TS[				
table.Multicast.TS[	<pre>[1].Channel=0</pre>			
table.Multicast.TS				
상상하는 것 같은 것 같	[1].LocalAddr=0.0.0.0			
	[1].MulticastAddr=224.	1.2.3		
table.Multicast.TS[				
table.Multicast.TS[	<pre>[1].StreamType=Extra1</pre>			

3. Close firewall, close all Antivirus, open VLC and find network Steam

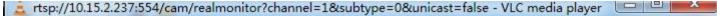


#### Input commend:

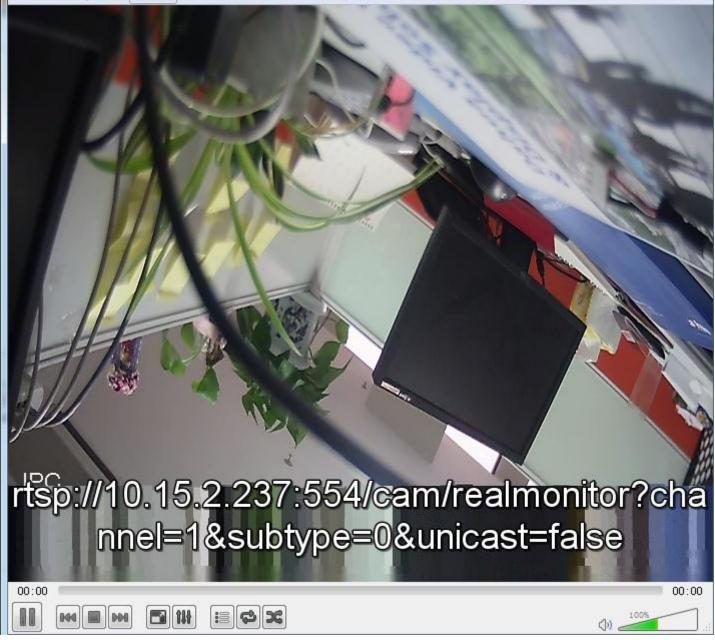
### rtsp://10.15.2.237:554/cam/realmonitor?channel=1&subtype=0&unicast=false

Open Mee	lia <u>O</u> lise	Network	🐺 Capture <u>D</u> evi	ice		?
	Protocol nter a netw	ork URL:				
http:/ rtp:// mms:// rtsp:/	//www.exampl @:1234 /mms.example //server.exa	1554/ can/stream.a le.com/stream.a es.com/stream.a umple.org:8080/ ube.com/watch?v	isx test.sdp	subtype=U@unic	ast-false	•
Show more	e options					
					Play -	<u>C</u> ancel

Enter play and it should be multicast video comes out shows like:



Media Playback Audio Video Tools View Help



## **UDP Multicast:**

The UDP modify is the same with RTP

Input <u>http://ip/cgi-bin/configManager.cgi?action=setConfig&Multicast.TS[0].Enable=true</u> to enable TS protocal

Inout <u>http://ip/cgi-bin/configManager.cgi?action=setConfig&Multicast.TS[0].MulticastAddr=ip</u> to modity UDP multicast address

The default address of UDP is 224.1.2.3, the modify range is 224.X.X.X.to 239.X.X.X In the VLC, input udp://@224.1.2.3:20000 (if there is only 1 IPC online, however, if multiple IPC connect in the LAN, you should change the dfault address to others)

