

# How to Get a Uniview Camera's Multicast Stream?



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### Description

*Note:* This method is applicable to most scenarios. If the method cannot solve your problem, it is recommended to consult our Tech Support Team. <u>https://global.uniview.com/Support/Service\_Hotline/</u>

### Preparation

Download and install VLC Media Player on your computer.

## **Operating Steps**

**Step 1** Set up a multicast address on the camera (showing as below).

Main, sub and third stream CANNOT use the same multicast address.

Common	Media Stream	RTSP Multicast Address	
Network	Main Stream		
Video & Audio	Multicast Address	224.255.255.111	
Video	Port	[11111	
Snapshot	Sub Stream		
Audio	Multicast Address	224.255.255.112	
ROI	Port	22222	
Media Stream	Third Stream		
PTZ	Multicast Address	224.255.255.113	
Image	Port	33333	
Intelligent			
Events	Save		

And create multicast streams for main, sub and third stream in the media stream setting.

UNV 🗮 Live View 📰 Playback 🕞 Photo	Setup		IPC3614SB-ADF28KM-
Common Media Stream RTSP Multicast Addets	3		
Network Stream Public Protocol Destantor	10	Destination Port Persistent Dates	
Video & Audio			
11/10			
Shambet	Add Media Stream	×	
Ante	Course Davids	Main Shaam	
ROI	Destination IP	224 255 255 111	
Media Stream	Destination Port	11111	
	Protocol	PSAIDP	
Image	Persistent	Enable      Disable	
Intelligent			
Events			
Storage			
Security			
System	-	OK Cancel	



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Step 2 Set up streaming mode on VLC.

#### Please go to Tools>Preference>Input/Codecs>RTP over RTSP (TCP)

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Interface Quio Video	Subtitles / OSD Input / Codecs H	otkeys				
Input & Codecs Settings						
Codecs						
Hardware-accelerated decoding	Automatic			•		
Fast seek						
video quality post processing level	0 <b>•</b>			_		
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Files						
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Preload MAV files in the same directory Depend on incomplete AVT file	And for anti-			-		
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Simple ○ All <u>R</u> eset Preferences			<u>S</u> ave	Cance	1	

#### Step 3 Enter the multicast URL on VLC.

Main stream rtsp://camera IP/media/video1/multicast

Sub stream rtsp://camera IP/media/video2/multicast

Third stream rtsp://camera IP/media/video3/multicast

*Eg. rtsp://172.1.90.5/media/video1/multicast, '172.1.90.5' is the local IP of your camera* 

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	🕨 <u>F</u> ile 🔗 <u>D</u> isc	🕂 <u>N</u> etwork	😇 Capture <u>D</u> evice	]		
	Network Protocol — Please enter a netw rtsp://172.1.90.5/	vork URL: (media/video1/mu	lticast			2
	http://www.examp rtp://@:1234 mms://mms.exampl rtsp://server.ex http://www.yourt	vi sx test.sdp =gg64x				



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*Note:* Set the multicast IP correctly, Multicast address is a class D address ranging from 224.0.0.0 to 239.255.255.255.

#### More Information you may also want to know

#### **IP Classification**

224.0.1.0--238.255.255.255 can be used on the Internet.

224.0.0.244.0.0.255: only for use on LAN.

224.0.0.1: all-hosts group address, which refers to all the multicast-capable hosts and routers on a physical network.

224.0.0.2: for all routers on this subnet.

224.0.0.5: for all OSPF routers.

224.0.0.13: for all PIMv2 routers.

239.0.0.0--239.255.255.255 are for private use like 192.168.x.x.