



## **How to add IP camera with custom protocol**

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# How to add IP camera with custom protocol

## Description

Custom protocol is created by users with RTSP and 554 port. Then, IP cameras can be added to NVR by custom protocol to get naked stream.

**Note:** As for Hikvision cameras, the stream paths are as below. It is enough to fill in one kind of them.

**Main stream :** *streaming/channels/101* or *ch1/main/av\_stream* ;

**Sub stream :** *streaming/channels/102* or *ch1/sub/av\_stream* .

## 1.1 Preparation

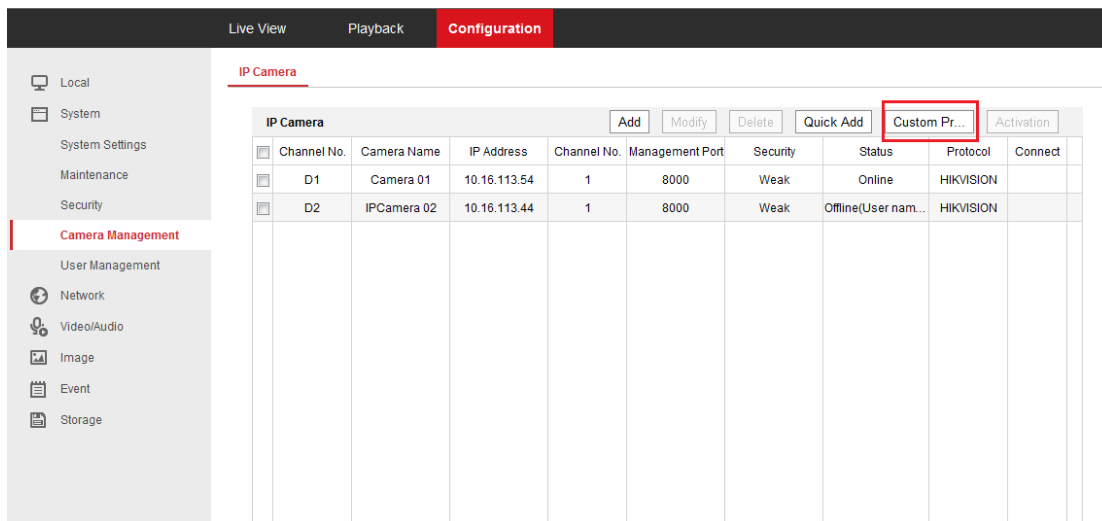
Cameras, NVRs, Switch, Computer

**Note:** The methods below are based on the webpage of NVR.

## 1.2 How to create a custom protocol:

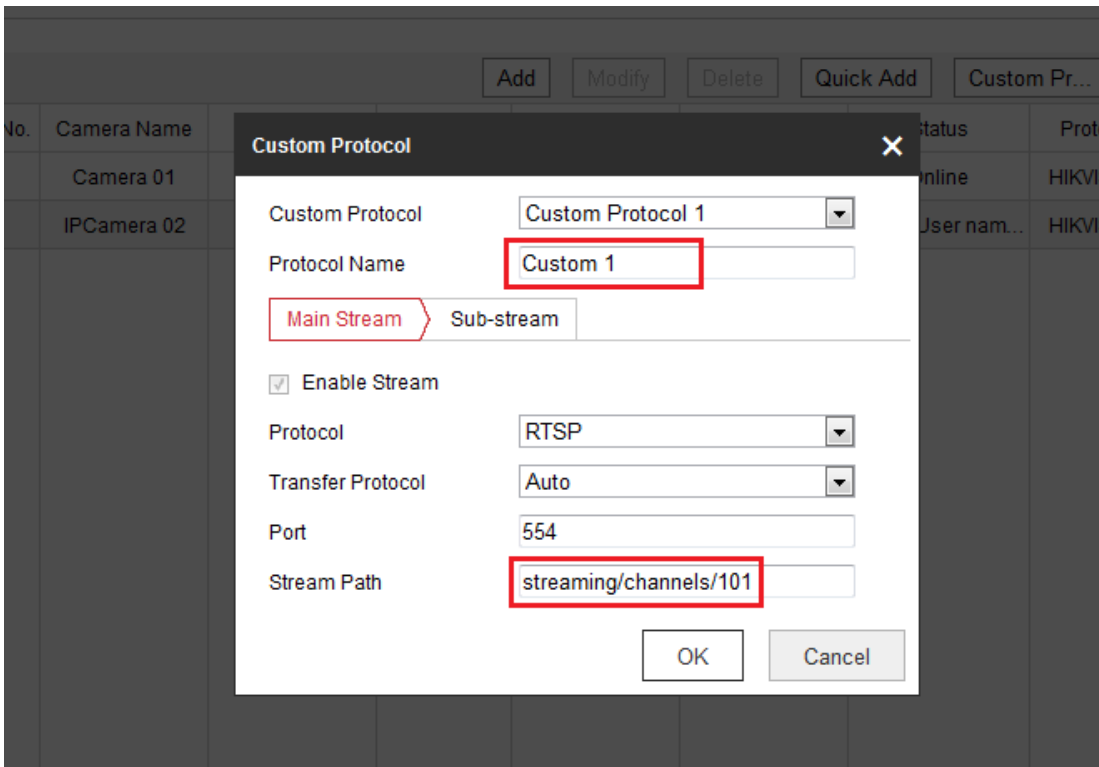
**Steps:**

1. Connect the cameras, NVRs and the computer to the switch. And make sure the network is reachable.
2. Login the webpage of NVR, and go to **Configuration->system-> camera Management-> IP Camera**, click **Custom Protocol**.

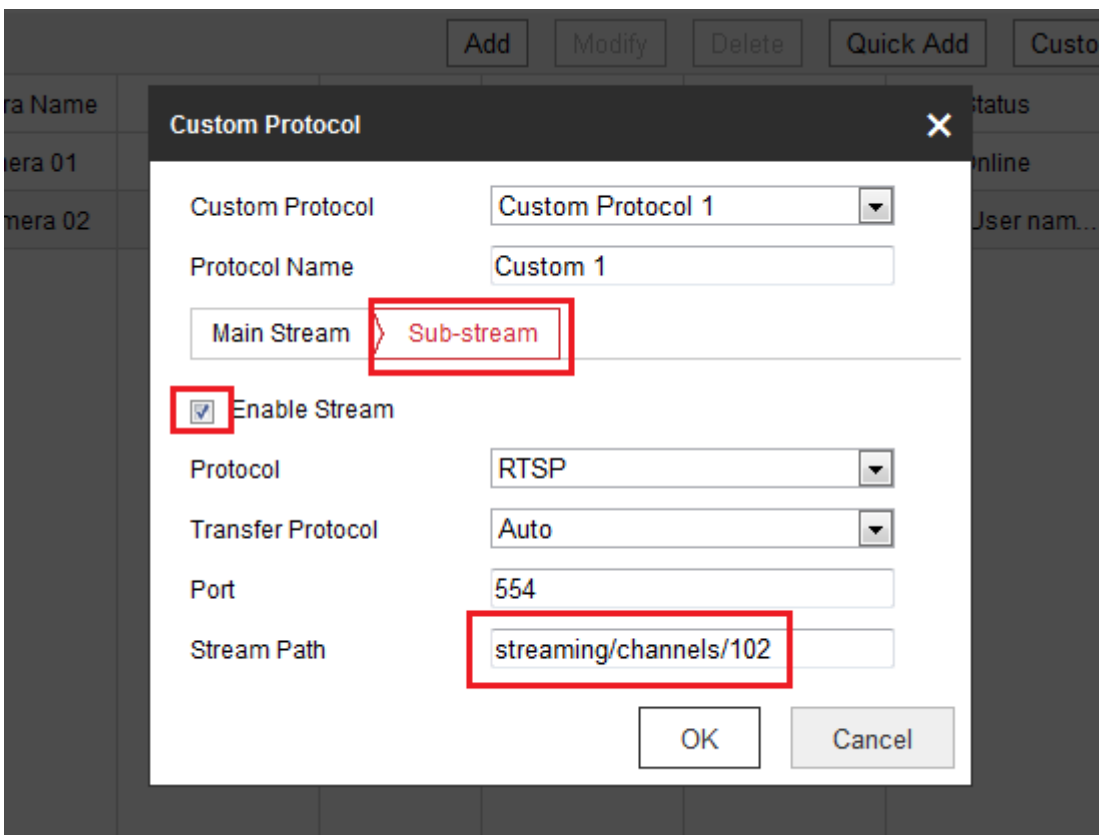


3. Select **Custom Protocol 1**, type in the **Protocol Name** and **Stream Path** of Main stream: *streaming/channels/101*.

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4. Click **Sub stream** and **Enable Stream**, then type in the **Stream Path** of Sub stream: *streaming/channels/102*.

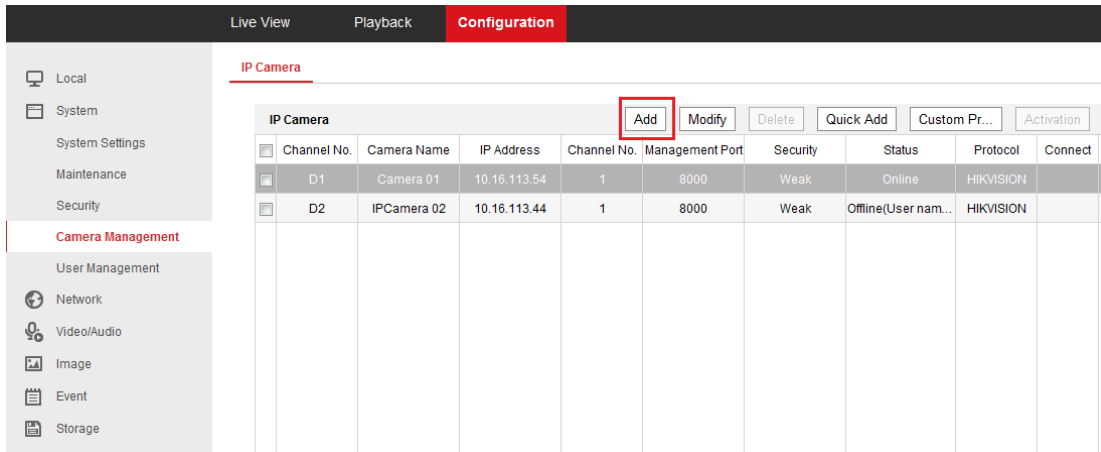


5. Click **OK**, so far, the custom protocol is created successfully.

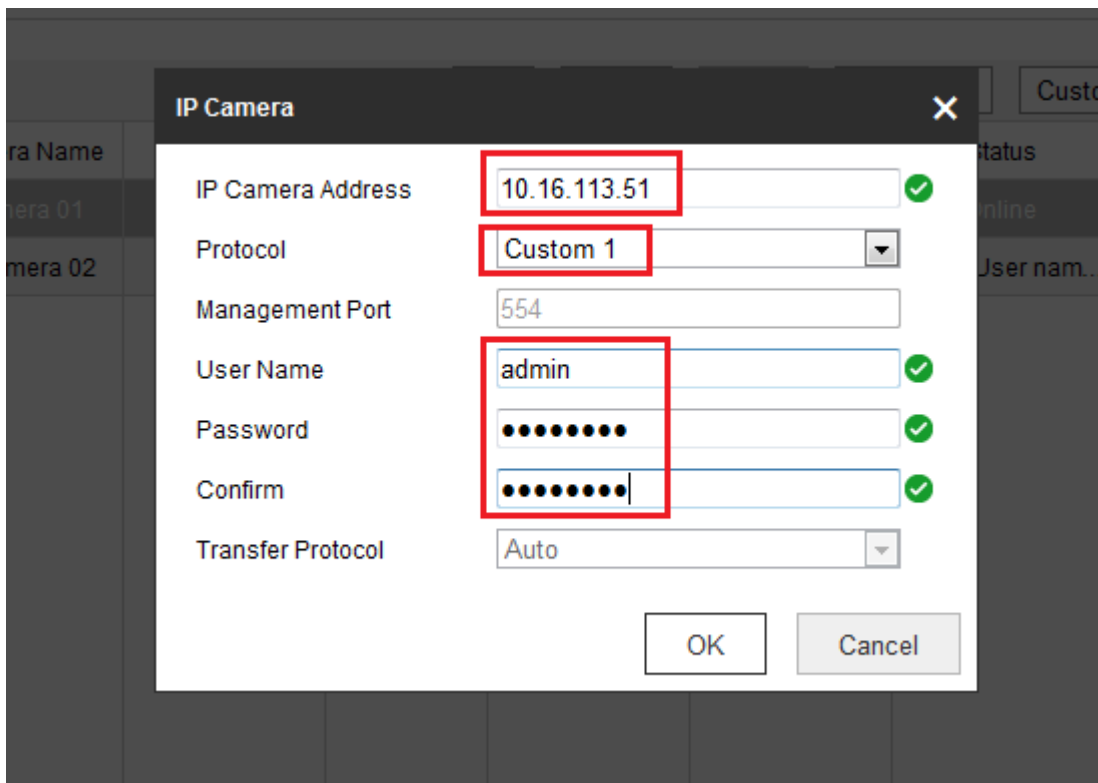
## 1.3 How to add cameras with custom protocol:

*Steps:*

1. Go to **Configuration->system-> camera Management-> IP Camera**, and click **Add**.



2. Type in the **IP Camera Address**, and choose the **Custom 1** protocol which has been created before. Then fill in the **User Name** and **Password**, click **OK**.



3. Finally, the IP camera is online with **Custom 1** successfully.

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**HIKVISION**    Live View    Playback    Picture    **Configuration**

Local  
System  
System Settings  
Maintenance  
Security  
**Camera Management**  
User Management  
Network  
Video/Audio  
Image  
Event  
Storage

**IP Camera**

Add    Modify    Delete    Quick Add    Custom Protocol    Activation

Channel No.	Camera Name	IP Address	Channel No.	Management Port	Security	Status	Protocol	Connect
D1	Camera 01	10.16.113.54	1	8000	Weak	Online	HIKVISION	
D2	IPCamera 02	10.16.113.44	1	8000	Risk	Offline(User nam...	HIKVISION	
D3	IPCamera 03	10.16.113.51	1	554	Weak	Online	Custom 1	

**Note:** Management port of custom protocol is 554 port. Hikvision protocol is 8000 port and Onvif protocol is 80 port.



See Far, Go Further