

How to add solar camera on NVR through ISUP protocol



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1. Connect the camera to the power supply and network cable, turn the camera switch to ON, and insert the 4G SIM card. Upgrade Solar camera and NVR to custom firmware^[1]. Ensure that the camera, NVR and router are under the same router network segment, and the router connect to the external network.

[1]:For the way to obtain customized firmware, please contact the technical support in the corresponding area



2. Open SADP, find NVR and solar camera, and double-click to open it.

🕵 设备网络搜	Ę									嫁 0	_ 🗆 ×
在线设备总数:	23		Name 2	i l	9:1	刷新	6a Q		修改网络参数		
■ 編号 ~ □ 001	设备类型 DS-7732NI-14/16P(B)	激活状态 已激活	I IP地址 192.168.2.104	端口 8000	服务增 8443	强型端口	软件版本 	l IPv 19:	 使用DHCP 使用萤石云 		
012	DS-2XS6A87G1-L/C36S80	已激活	192.168.2.106	8000	8443		V5.7.0build 2	19;	设备序列号:		
									IP地址: 調口:		
									服务增强型碘口: 子网掩码:		
									网关:		
									IPv6网关:		
									IPv6子网前缀长度: HTTP读曰:		
									92		
-											
									管理员继码:		
										13	
4							2				忘记密码

3. Open port mapping page of the router

					Download App English ~
Status	Boute Settings	Management	Â.	Advanced	Administration
IP-MAC Binding					
IP Address	MAC AG	ddress	Operation		
			+		
Port Mapping					
Port Mapping	Internal Port	External Port	Protocol	Operation	1
Port Mapping	Internal Port 21 (FTP)	External Port	Protocol Both	Operation	1
Port Mapping	Internal Port 21 (FTP) ~	External Port	Protocol Both	Operation	1
Port Mapping	Internal Port 21 (FTP) ~	External Port	Protocol Both	Operation	1
Port Mapping	DDNS Enable O Disable	External Port 21	Protocol Both	Operation	
Port Mapping	DDNS Enable Disable	External Port 21	Both	Operation	

4. In the NVR webpage, network setting, record the external port of port 80^[1] in NAT and the following 4 ports^[2] in ISUP service setting

[1]: Port 80: receive camera HTTP alarm

[2]: The purpose of each port is stated

HIK	VISION®	Live V	ïew F	Playback	Picture	Application	Configu	ration			1	ıdmin 👔 Help	🗗 Logout
	Local	TCP/	IP DDNS	PPPoE Po	ort NAT								
Ē	System	~	Enable UPnP™										
Ð	Network		Port Manning M	ode Aut	0	×							
	Basic Settings		Port Type	External	Port E	xternal IP Address	Internal Port		Status				
	Advanced Settings	C	HTTP	31770	0	115.192.85.52	80		Valid				
<u>Q.</u>	Video/Audio		RTSP	58974	4	115.192.85.52	554		Valid				
1	Image		Server Port	40595	5	115.192.85.52	8000		Valid				
圁	Event		HTTPS	36294	4	115.192.85.52	443		Valid				
5	Storage	En	hanced Servi	34181	1	115.192.85.52	8443		Valid				
R	Vehicle Detection												
63	VCA												
36	Target Capture												
107	IoT Channel Settings												
			🗎 Save	Ð									
							©2021 Hik	vision Digital	Technology Co., Ltd. All Rig	hts Reserved.			
н	VISIO N®		Live View	Pla	yback	Picture	Applica	ation	Configuration				
Ţ	Local		SNMP	Email Pla	atform Access	Network Service	802.1x	Other	Integration Protocol	Smooth Streaming	Log Server Configuration	ISUP Service :	Settings
	System		🗹 Enab	le									
0	Network		Proxy Se	ervice Port	7660								
0	Pagic Settinge		Alarm Se	ervice Port	7661								
£	Dasic Settings		Media Lin	ve View Port	7662								
	Advanced Settings		Media Pl	avback Port	7663								
<u>U</u> .	Video/Audio		Weddari	ayback i on	1000								
1	Image			E Sava									
圁	Event												
5	Storage												
0	Vehicle Detection												
60	1/04												
KO	VCA												
4	Target Capture												
107	IoT Channel Settings												

5. Port mapping: map the five ports just recorded to the outside. The external port needs to be consistent with the internal port.

HIKVISION Download App English × Logout										
	Status	Route Settings	Client Management	Advanced	Administration					
Port	t Mapping					^				
Int	ternal IP Address	Internal Port	External Port	Protocol	Operation					
		~		Both ~	+					
19	92.168.2.104	31770	31770	Both						
19	92.168.2.104	7660	7660	Both						
19	92.168.2.104	7661	7661	Both						
19	92.168.2.104	7662	7662	Both						
19	92.168.2.104	7663	7663	Both						
DDN	NS					Ŷ				

6. To the camera web page, first check whether the 4G connection is normal.



7. Configure the ISUP protocol on the web side of the camera. The server address is the external IP address of NVR. The port is the Proxy service port of NVR. The ID and password of the camera can set it at will. If there are multiple cameras, the ID should not be the same. Save after setting.

HIKVISION®	Live View Playba	ack Picture	Configuration
🖵 Local	SNMP FTP Email	Platform Access HTTPS	QoS 802.1x Integration Protocol Network Service Alarm Server Data Monitoring
System	Platform Access Mode	ISUP	V
Network	Enable		
Basic Settings	Protocol Version	ISUP5.0	~
Advanced Settings	Server Address	115.192.85.52	0
Video/Audio	Port	7660	0
🔝 Image	Device ID	123456	0
Event	Key	*****	0
Storage	Register Status	Offline	\checkmark
		_	
	🗎 Save		

8. Go to the web page of NVR, add a camera, and select ISUP as the protocol

HIKVISION*						
🖵 Local	PoE Channel IP Camera					
 Local System System Settings Maintenance Security Cannera Management Live View Settings Network Velso/Audoe Image Event. Storage Vertacle Detection Voca Target Capture IoT Channed Settings 	POE Channel	ame IP Address/Device ID (IP C IP P M M R C C T T T C	Add Managem Annera Camera Address Volocol anagement Port d Use Default Port ser Name assword onfirm ransfer Protocol ertificate Verification	ediry Doktas Quick Add Custom Protocol Advation ent Pert Security Status Protocol Connect WirkVision OMVIF ACT: ACT		
E IoT Channel Settings				Custom 5 Custom 7 Custom 7 Custom 8 Custom 9 Custom 10 Custom 11 Custom 12 Custom 12 Custom 13 Custom 3 Custom 3 Custom 5 Custom 6 Custom 7 Custom 9 Custom 10 Custom 11 Custom 12 Custom 1		

9. Fill in the device ID and password just set.

10.Refresh the page and the camera status is online.





11.In the Live View interface, the camera can be previewed

