

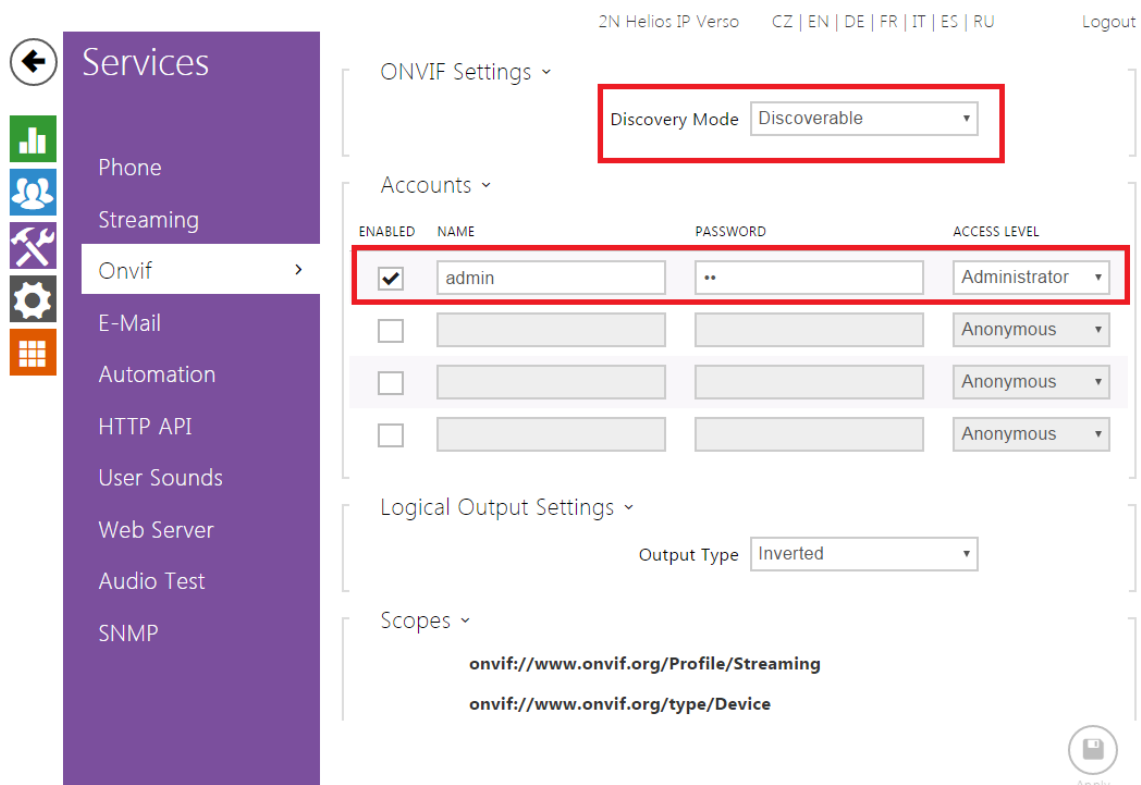
# Hikvision - How to configure it with 2N® Helios IP?

In this FAQ you will find all necessary steps how to integrate 2N® Helios IP intercom into the Hikvision VMS (Video Monitoring software) platform. This can be done thanks to the ONVIF protocol (especially ONVIF profile S). Onvif connects together manufacturers of cameras, VMS, video storage and access control system. This is very useful if you need to have one complex solution where you will see video from all cameras in your company or in your secured area.

**Note:** for this interoperability you will need Enhanced Video license (or Gold license) uploaded to your 2N® Helios IP intercom!

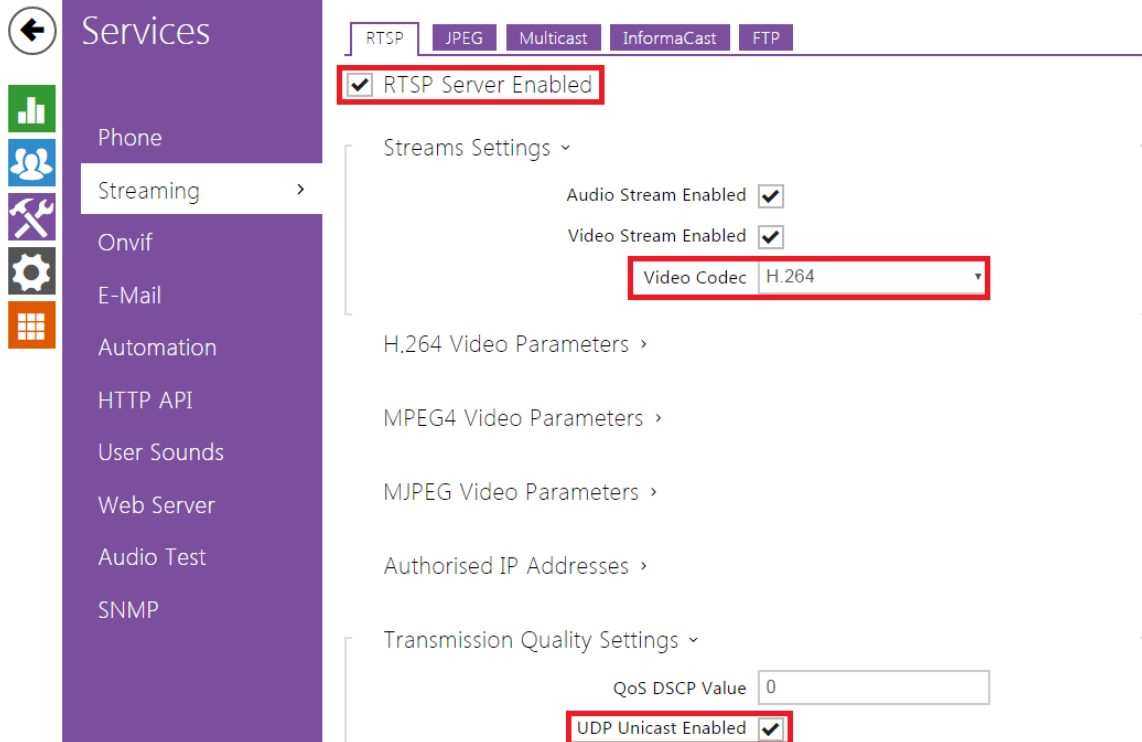
## How to set 2N® Helios IP intercom?

Settings of 2N® Helios IP intercom is very simple. You have to go to section "Services -> Onvif" and set there "Discoverable" mode as shown in the picture below. Then you have to create ONVIF account with "Administrator" access level. We used credentials admin/2n for this FAQ.



The screenshot shows the web interface for 2N Helios IP Verso. The left sidebar is titled "Services" and includes options like Phone, Streaming, Onvif, E-Mail, Automation, HTTP API, User Sounds, Web Server, Audio Test, and SNMP. The "Onvif" option is selected. The main content area shows "ONVIF Settings" with a "Discovery Mode" dropdown set to "Discoverable". Below this is the "Accounts" section, which contains a table with columns for "ENABLED", "NAME", "PASSWORD", and "ACCESS LEVEL". The first row shows an enabled "admin" account with a masked password and "Administrator" access level. Below the accounts is the "Logical Output Settings" section with an "Output Type" dropdown set to "Inverted". At the bottom, the "Scopes" section lists two URIs: `onvif://www.onvif.org/Profile/Streaming` and `onvif://www.onvif.org/type/Device`.

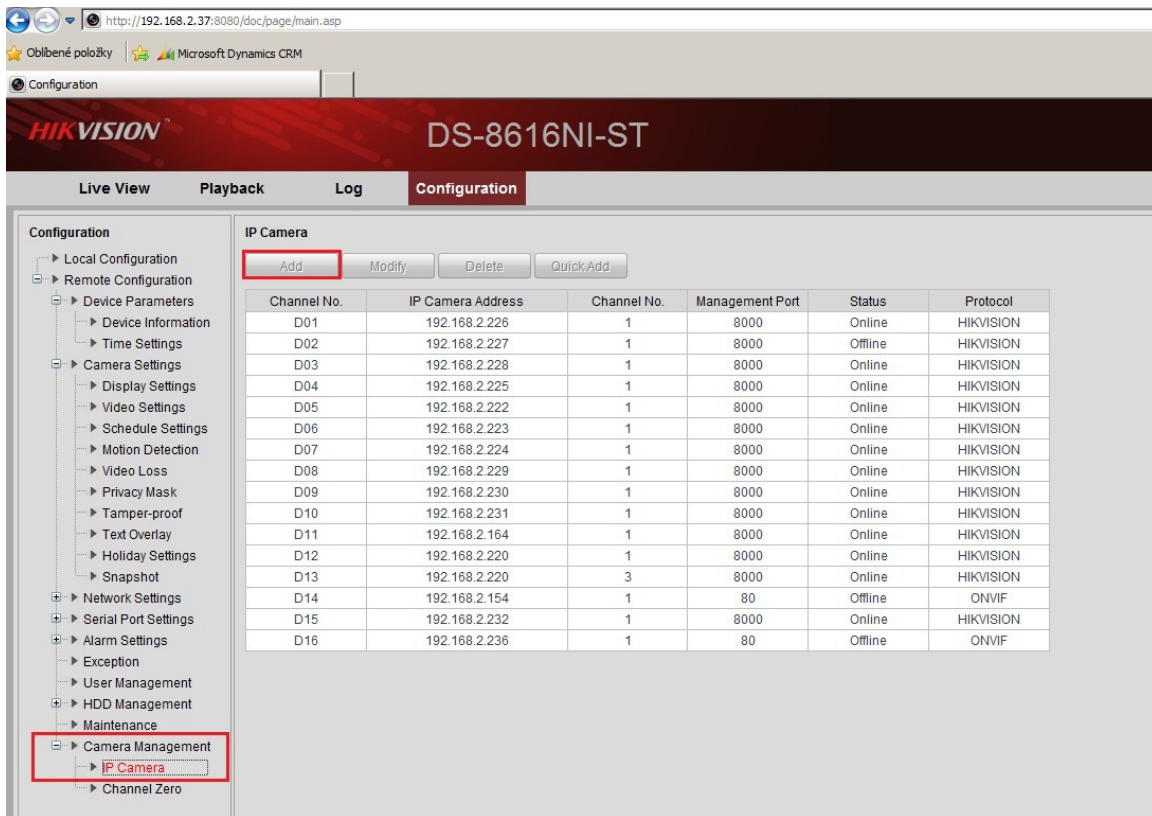
Finally RTSP stream has to be enabled on 2N® Helios IP. This setting is in the section "Services -> Streaming". You have to enable RTSP server and choose codec. Also please verify that "UDP Unicast Enabled" is checked. All these settings are shown in the picture below.



The screenshot displays the configuration interface for the Hikvision system. On the left, a purple sidebar menu is open to the 'Services' section, with 'Streaming' selected. The main content area shows the 'RTSP' configuration page. At the top, there are tabs for 'RTSP', 'JPEG', 'Multicast', 'InformaCast', and 'FTP'. The 'RTSP Server Enabled' checkbox is checked and highlighted with a red box. Below this, the 'Streams Settings' section is expanded, showing 'Audio Stream Enabled' and 'Video Stream Enabled' both checked. The 'Video Codec' dropdown menu is set to 'H.264' and is also highlighted with a red box. Underneath, there are expandable sections for 'H.264 Video Parameters', 'MPEG4 Video Parameters', and 'MJPEG Video Parameters', each with a right-pointing arrow. The 'Authorised IP Addresses' section also has a right-pointing arrow. The 'Transmission Quality Settings' section is expanded, showing a 'QoS DSCP Value' input field with the value '0' and a 'UDP Unicast Enabled' checkbox that is checked and highlighted with a red box.

## How to set Hikvision system?

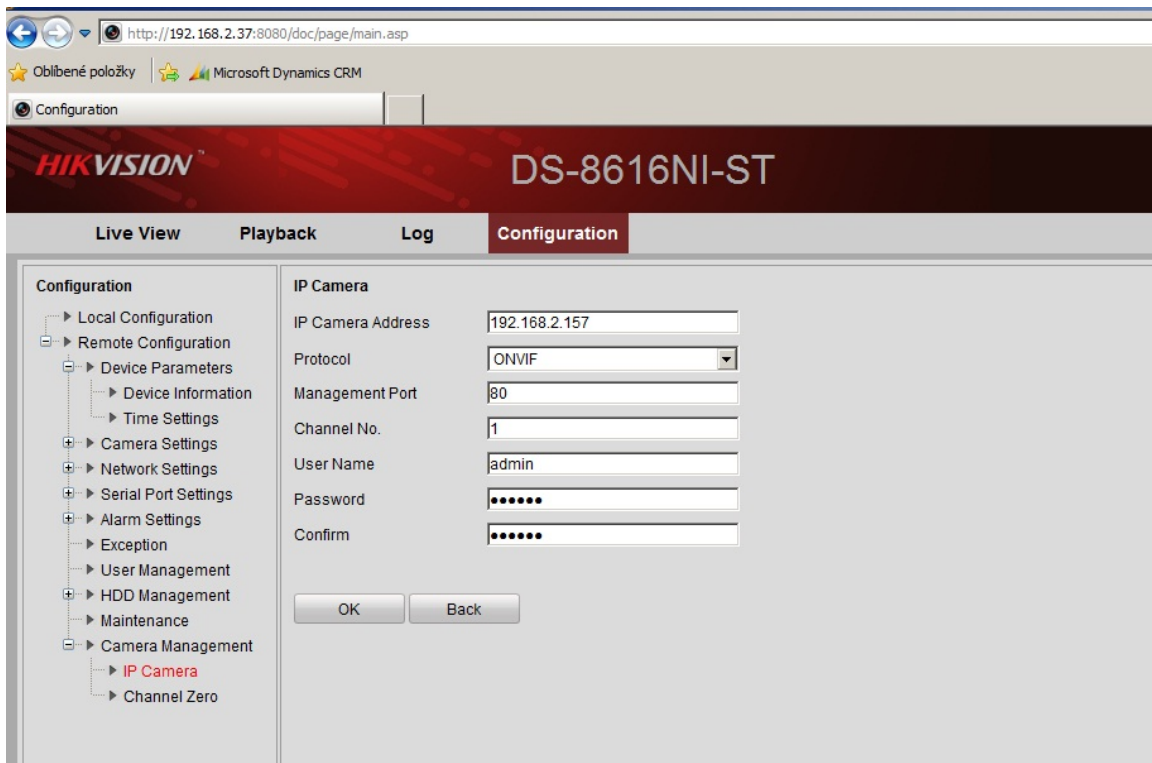
After you login into the Hikvision software via web browser go to "Configuration" menu on the top bar and on the left side select "Remote configuration - Camera management - IP camera". You will see there all added IP cameras and you will have a possibility to modify existing one or add new one. Click on the "Add" button as shown in the picture below.



The screenshot shows the HIKVISION DS-8616NI-ST Configuration page. The 'IP Camera' section is active, displaying a table of existing cameras. The 'Add' button is highlighted in red. The left sidebar shows the 'Configuration' menu with 'Camera Management' and 'IP Camera' highlighted in red.

Channel No.	IP Camera Address	Channel No.	Management Port	Status	Protocol
D01	192.168.2.226	1	8000	Online	HIKVISION
D02	192.168.2.227	1	8000	Offline	HIKVISION
D03	192.168.2.228	1	8000	Online	HIKVISION
D04	192.168.2.225	1	8000	Online	HIKVISION
D05	192.168.2.222	1	8000	Online	HIKVISION
D06	192.168.2.223	1	8000	Online	HIKVISION
D07	192.168.2.224	1	8000	Online	HIKVISION
D08	192.168.2.229	1	8000	Online	HIKVISION
D09	192.168.2.230	1	8000	Online	HIKVISION
D10	192.168.2.231	1	8000	Online	HIKVISION
D11	192.168.2.164	1	8000	Online	HIKVISION
D12	192.168.2.220	1	8000	Online	HIKVISION
D13	192.168.2.220	3	8000	Online	HIKVISION
D14	192.168.2.154	1	80	Offline	ONVIF
D15	192.168.2.232	1	8000	Online	HIKVISION
D16	192.168.2.236	1	80	Offline	ONVIF

Now you have to fill in all necessary parameters to add new camera into the system. In this example it will be camera from 2N<sup>®</sup> Helios IP intercom. It means that you have to set IP address of 2N<sup>®</sup> Helios IP there, choose ONVIF protocol, set port 80 and fill in the username and password (admin : 2n).



The screenshot shows the HIKVISION DS-8616NI-ST Configuration page with the 'IP Camera' configuration form open. The form fields are filled with the following values:

- IP Camera Address: 192.168.2.157
- Protocol: ONVIF
- Management Port: 80
- Channel No.: 1
- User Name: admin
- Password: .....
- Confirm: .....

The 'OK' and 'Back' buttons are visible at the bottom of the form. The left sidebar shows the 'Configuration' menu with 'Camera Management' and 'IP Camera' highlighted in red.

If everything was set properly, you should see new camera in the "Live View" menu. After you click on this

camera, you will see live video stream from 2N® Helios IP.

