



Milesight-Troubleshooting

How to Enable HTTPS Access

1. What is HTTPS

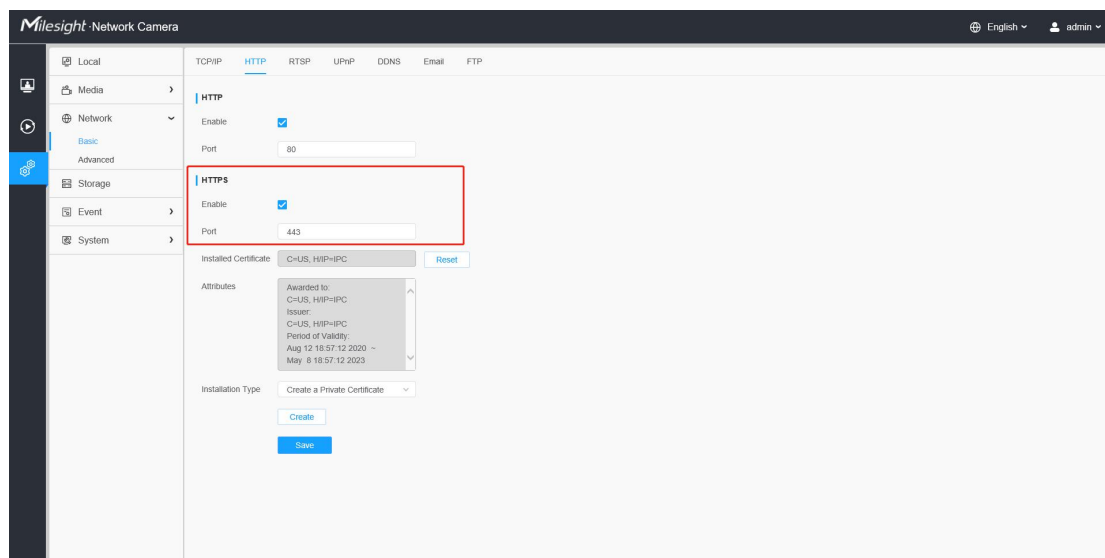
The HTTPS protocol is a network protocol constructed by the SSL + HTTP protocol that can perform encrypted transmission and identity authentication, improving the security of WEB access.

2. How to enable HTTPS access

For Milesight device, there are two methods to enable HTTPS access, one is to use a private certificate issued by Milesight, and the other is to upload a certificate issued by an authoritative certificate authority (CA) for authentication (generally authorized CA organizations need to charge) to improve the access security level.

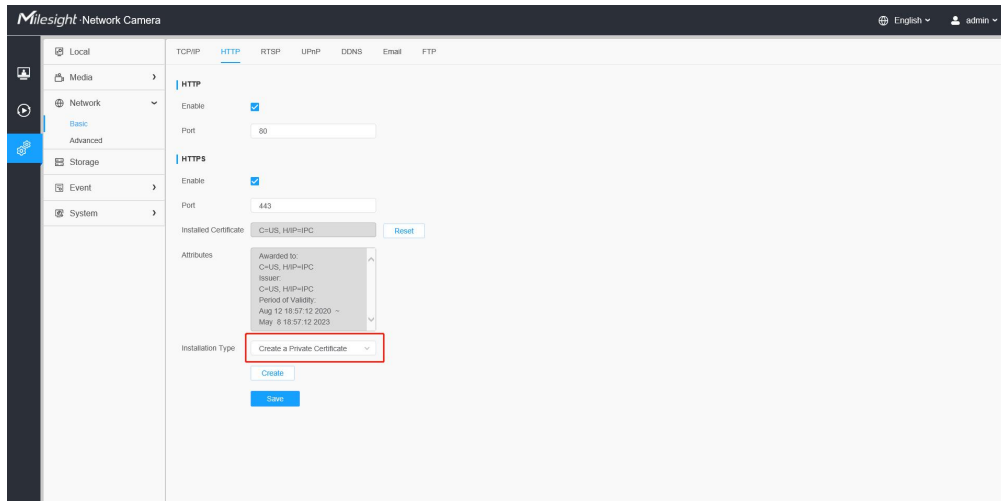
2.1 Using a private certificate

Step 1:Enable HTTPS and set HTTPS port.



Step 2:Create a Private Certificate

If HTTPS is not set before, there will be a default installed certificate. You can also recreate one by yourself. If you choose to recreate one, just choose 'Create a Private Certificate' in installation type, then click on 'Create'.



Fill in the relevant parameters for the certificate, click 'OK', then you can use the recreated private certificate to enable HTTPS access.

Country*	CH
Common Name*	sunny
Period of Validity*	30 days
Password	sunny
Province	fujian
Region	xiamen
Organization	milesight
Company	milesight
Email	sunny@milesight.com

Open the browser and enter `https://ip`, then you can access the device with HTTPS protocol.

And when you use private license for HTTPS to access a web site, you will see risk warning as the following picture shows.

This site is not secure

This might mean that someone's trying to fool you or steal any info you send to the server. You should close this site immediately.

✓ Close this tab

🔍 More information

Just click 'More information' and choose 'Go on to the webpage (not recommended)'.

This site is not secure

This might mean that someone's trying to fool you or steal any info you send to the server. You should close this site immediately.

✓ Close this tab

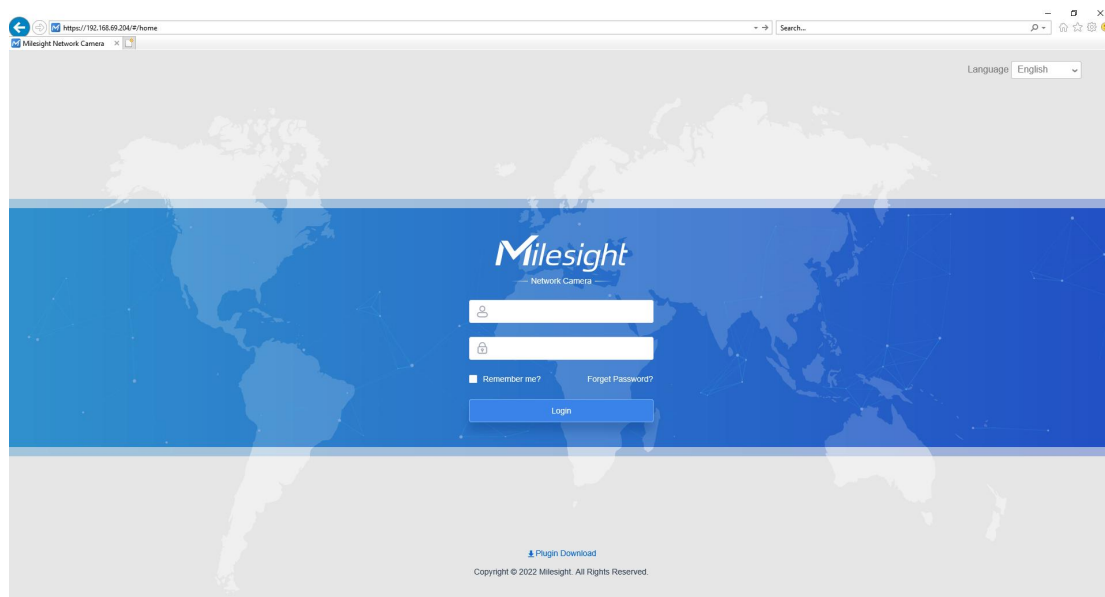
🔍 More information

Your PC doesn't trust this website's security certificate.
The hostname in the website's security certificate differs from the website you are trying to visit.

Error Code: DLG_FLAGS_INVALID_CA
DLG_FLAGS_SEC_CERT_CN_INVALID

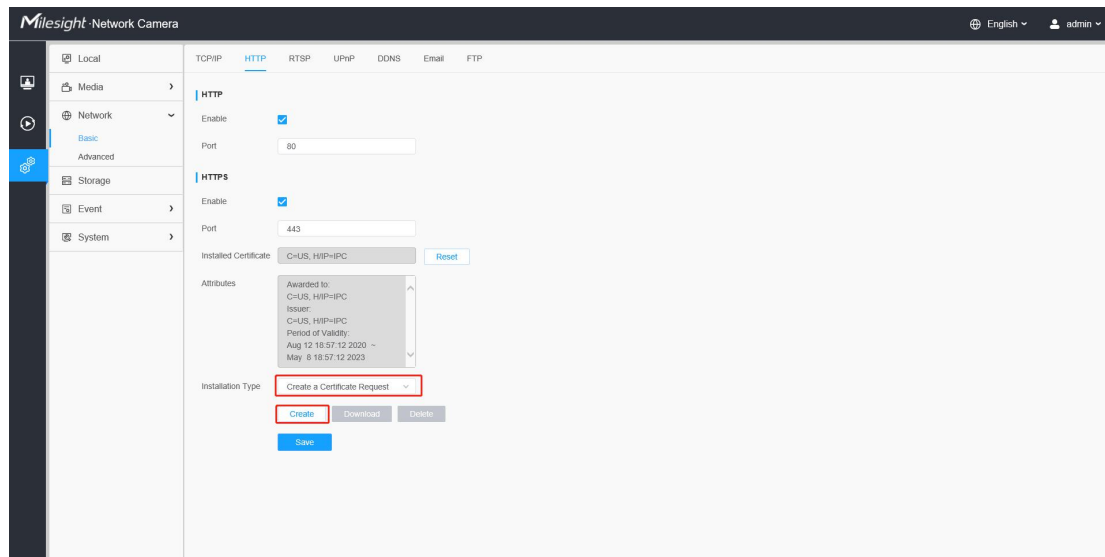
🚫 Go on to the webpage (not recommended)

Finally, you can access the web site by HTTPS.



2.2 Using a certificate issued by an authoritative CA

Step 1: Create a Certificate Request.



Choose installation type as 'Create a Certificate Request' and then click 'Create'.

Fill in the relevant parameters for the certificate, click 'OK'.

The screenshot shows a 'Create' dialog box with a blue header and a close button. It contains several input fields for creating a certificate request: 'Country*' (CH), 'Common Name*' (sunny), 'Password' (sunny), 'Province' (fujian), 'Region' (xiamen), 'Organization' (milesight), 'Company' (milesight), and 'Email' (sunny@milesight.com). At the bottom, there are 'OK' and 'Cancel' buttons.

You can see the created request as the following picture shows:

The screenshot shows the 'HTTPS' configuration page. The 'Enable' checkbox is checked. The 'Port' is set to 443. The 'Installed Certificate' is 'C=US, H/IP=IPC' with a 'Reset' button. The 'Attributes' section shows details for the installed certificate. The 'Installation Type' dropdown is set to 'Create a Certificate Request', which is highlighted with a red box. To its right, the text 'C=CH, H/IP=sunny/emailAddress=sunny@milesight.com' is displayed. Below the dropdown are 'Create', 'Download', and 'Delete' buttons. A 'Save' button is at the bottom.

Step 2:Download the Certificate Request and send the file to authoritative certificate authority and the authority will send back to you the certificate for authentication.

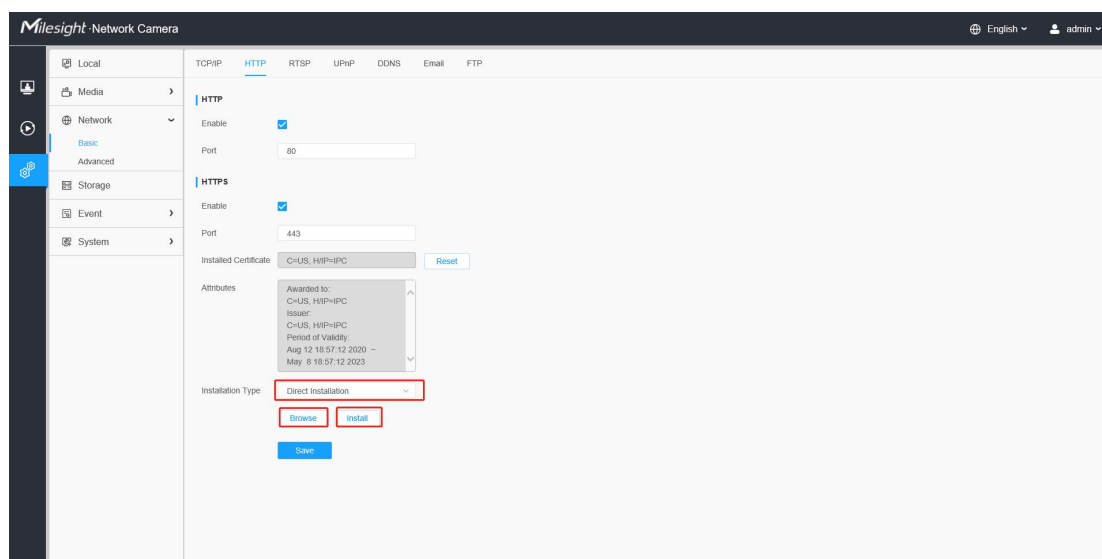
This screenshot is identical to the previous one, but the 'Download' button in the 'Installation Type' section is highlighted with a red box.

Note:

Currently we only support HTTPS certificates in .pem format.

Step 3:After you have received the certificate issued by CA and saved it in your own computer, then you can choose 'Direct Installation' and click 'Browse' to find received certificate, and then install it.

Finally, open the browser and enter `https://ip`, then you can access the device with HTTPS protocol.



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