Milesight Troubleshooting

DDNS

Milesight Technology

Camera Version	XX.7.0.71-r8	Update	2019.7.25

1. What is DDNS

DNS: Domain Name System

To translate the numerical IP addresses like 208.80.152.201 into domain names, which can be easily memorized by humans like "milesight.org".

DDNS: Dynamic DNS or DynDNS

To translate changing IP addresses into a constant domain name. This is used to provide a persistent domain name for a resource that may change address on the network.
DDNS provider: ddns.milesight.com, dyndns.org, freedns.afraid.org, www.no-ip.com, www.zoneedit.com

2. How to Set DDNS

So far, Milesight cameras can support 5 DDNS servers, as shown in Figure 1:
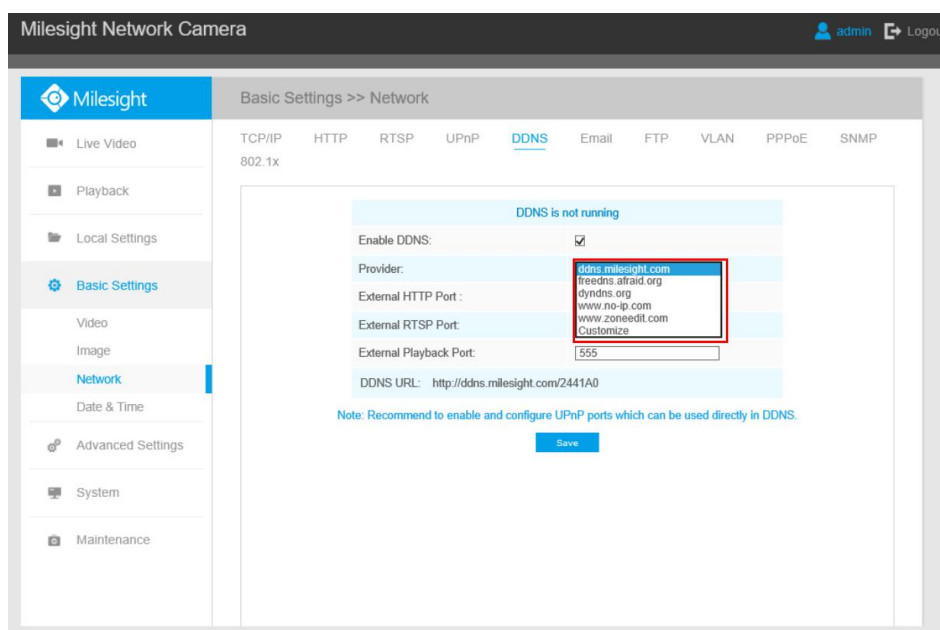

Figure 1 DDNS Server

Before using DDNS, you need to map HTTP Port and RTSP Port to External HTTP Port and External RTSP Port firstly. If you need to use the playback function via DDNS, you also need to map Playback Port to External Playback Port.
For more information about port forwarding, please refer to the troubleshooting:
7.Milesight-Troubleshooting-IPC-Port Forwarding-For-Winbox
26.Milesight-Troubleshooting-IPC-Port Forwarding-For-TP_Link

It is recommended to enable UPnP, which will automatically map HTTP Port, RTSP Port and Playback Port to External HTTP Port, External RTSP Port and External Playback Port.
Note: If you want to use UPnP, the router needs to support UPnP function firstly.

Figure 2   UPnP

1)You can choose "ddns.milesight.com" as provider for DDNS

Step1: Enable DDNS, choose "ddns.milesight.com" as the provider, fill in the port mapped in advance.

Step2: Click"Save" to see the blue "DDNS is running" on the top as shown in Figure 3:
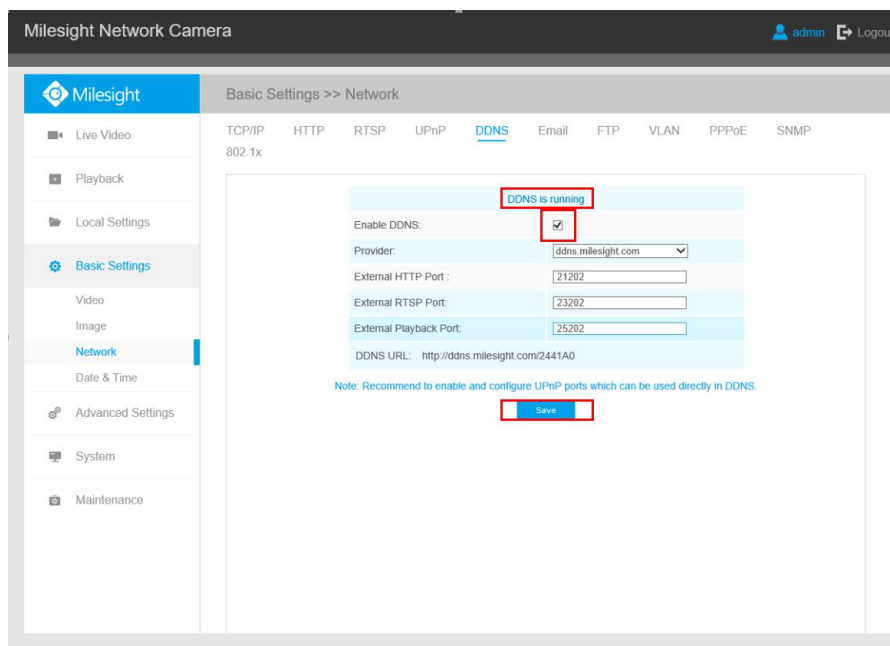
Figure 3

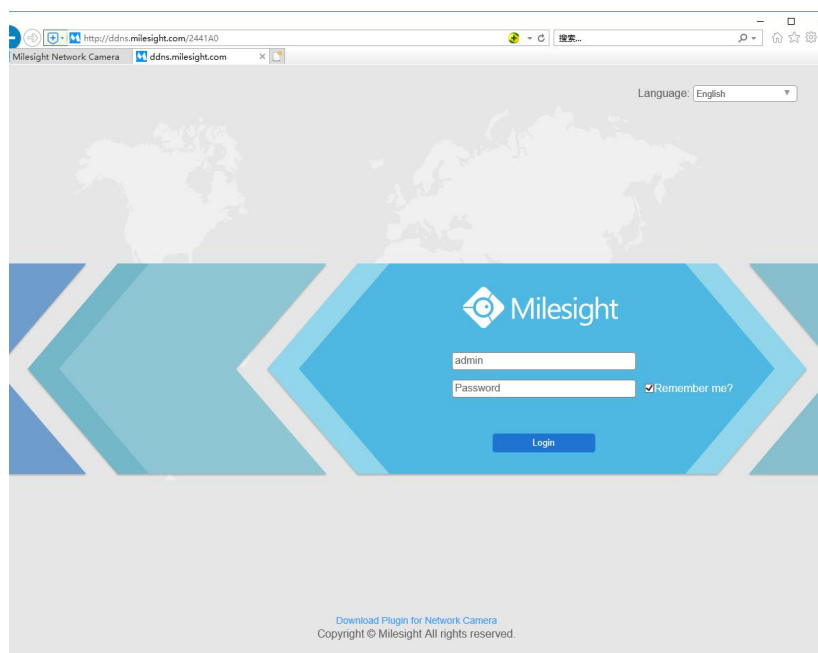**Step3:** When the''DDNS is running'', you can access the camera by DDNS URL.

Figure 4

2)You also can choose the third party as provider for DDNS

Take freedns.afraid.org as an example:

Step1: Log in http://freedns.afraid.org .

Step2: Click on the "Sigh Up!".

- **Free DNS, Dynamic DNS, Static DNS** services
- Free subdomain hosting, free domain hosting, free backup dns, reverse IPv6 DNS hosting (forward/reverse)
- Free URL redirection [web forwarding]
- Paid services available for increased account capacity
- Unlimited number of domains per account (yes really)
- 5 free shared hostnames, use anywhere
- 20 free subdomains per domain, use on your own domains only
- **INSTANTLY** point yourname.afraid.org or yourname.com to any IP or URL
- Supports every TLD on the Internet
- Currently 84,583 other domains besides afraid.org in our shared domain pool
- Funding is supplied by the members who go premium. Funding goes directly to servers and high bandwidth connections they reside on
- Robust support for **CNAME, A, AAAA, MX, NS, TXT, LOC, RP, HINFO, SRV** records
- Are you a web developer? You can use nameserver branding to name our nameservers as your own! Let us worry about the maintenance/redundancy
- Round robin DNS supported (Multiple IP addresses for 1 hostname)
- IPv6 forward **AND** reverse (both .int and .arpa) supported
- **Dynamic DNS** supported, several clients for Win32 and UNIX available
- Forward your hosts to any existing URL on the internet (even to a different port if your ISP blocks 80) with the Web Forward system
- URL cloaking redirection supported, optionally hide real URL of your site in the address bar
- Allows you to change web hosting providers without messy DNS propagation delays
- Simple, fast, flexible and reliable interface, feedback is welcome
- Works with any existing web host you may already be using for both DNS and hosting
- If your web host goes down, visitors will see a "timeout" error instead of a "site does not exist" error, e-mail will also remain queued for 5 days
- If you put a domain in afraid.org, you can edit TTL, Minimum, Allow/Deny AXFR's, and approve/disapprove others from using hosts on your domain. You can also share your domain with the users of afraid.org, or your own web site visitors using our 'webclude' feature
- Support for vanity dns hosts (example: i.knew.you.were.afraid.org) currently 84,583 domains in the shared pool
- Fast and easy setup process. Setup an account in less than 5 minutes
- Extremely reliable, fast, and redundant hosting, and interface
- **All updates go live instantaneously.**

More Info, Q&A

Sign Up!

Figure 5 Sign Up

Step3: Create a new account under server.

Figure 6 Add a new account

Step4: After registering successfully, please activate the Email and then choose to add a new subdomain.

Figure 7 Add a new subdomain

Step5: After adding a subdomain, please check the HASH for this account. Click on "Dynamic DNS" option, window will pop up as below:

Figure 8 Direct URL

Step6: Click on the "Directly URL".

You can check HASH from the following address:

"https://freedns.afraid.org/dynamic/update.php?azNhZWdraHVGWjhlWTJCYndCUWk6M
Tc2NTEwNDg="

Figure 9　HASH

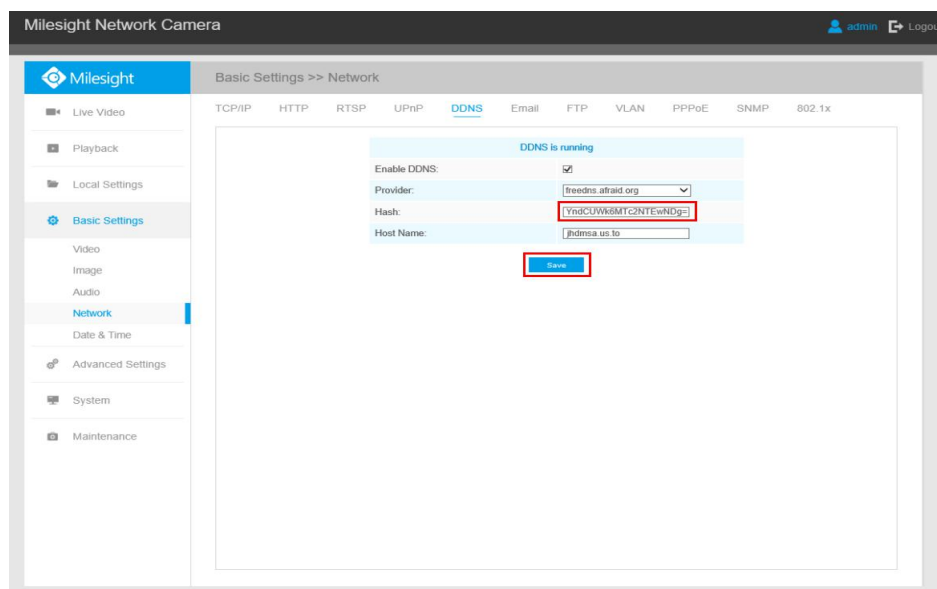**Stpe7:** Enter the information on the web, and the status would show like this:
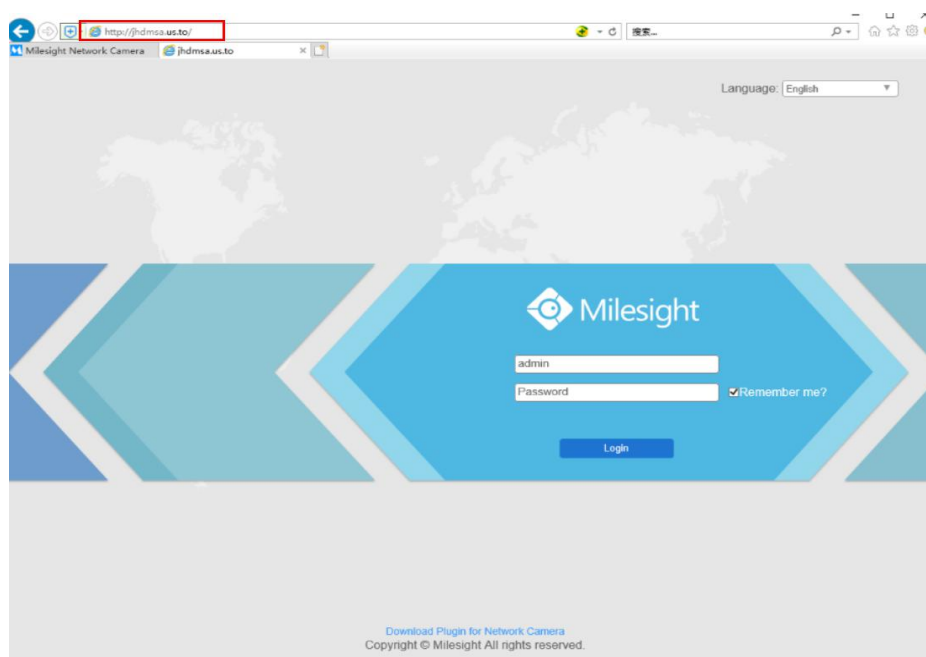

Figure 10　DDNS Status

Figure 11　Log in successfully

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