



Milesight Troubleshooting

DDNS

| | | | |
|----------------|--------------|--------|-----------|
| 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:

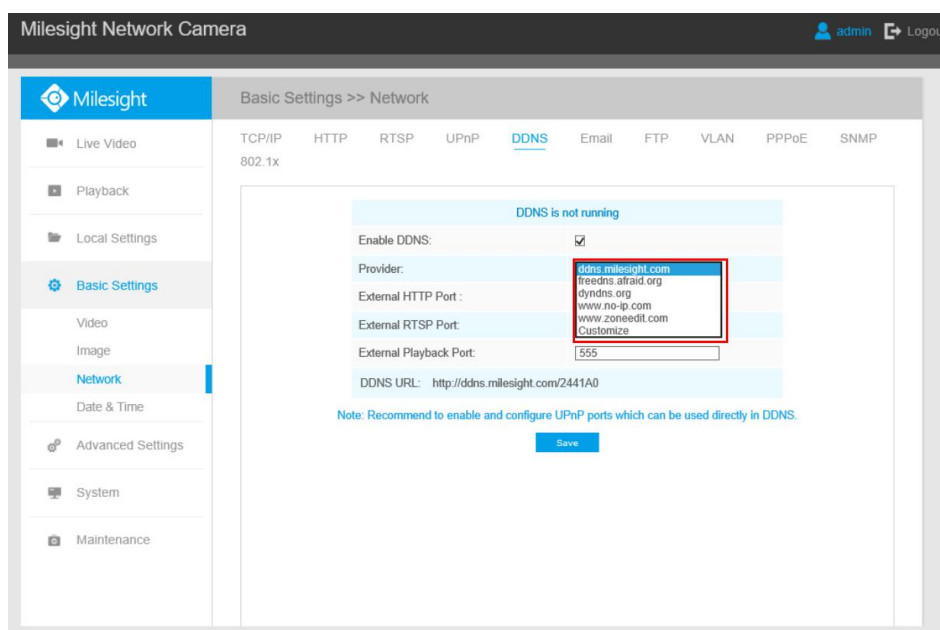


Figure 1 DDNS Server

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.

| Protocol Name | External Port | Internal Port | Status |
|---------------|---------------|---------------|---------|
| HTTP | 21202 | 80 | Invalid |
| RTSP | 23202 | 554 | Invalid |
| Playback | 25202 | 555 | Invalid |

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:

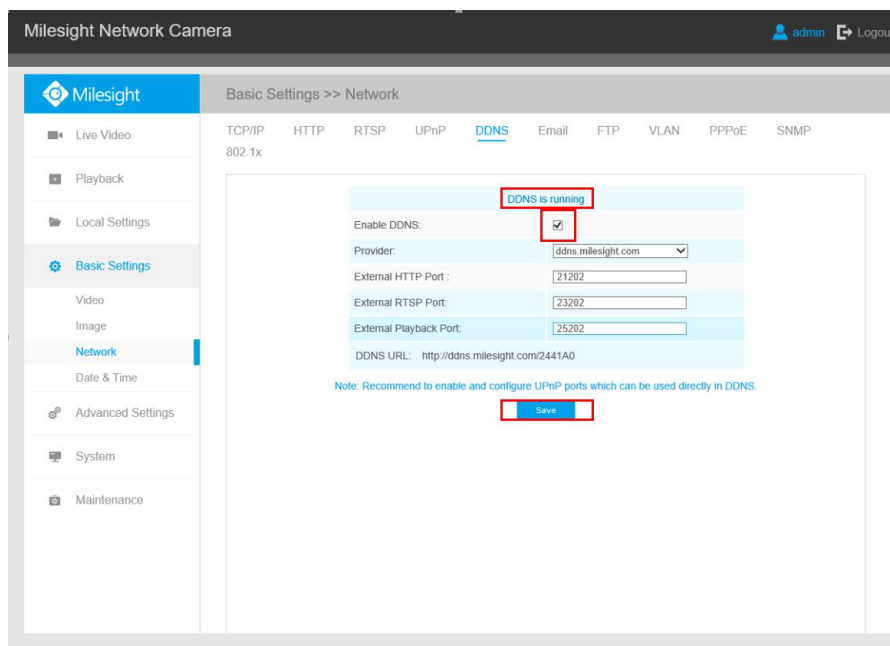


Figure 3

Step3: When the “DDNS is running”, you can access the camera by DDNS URL.

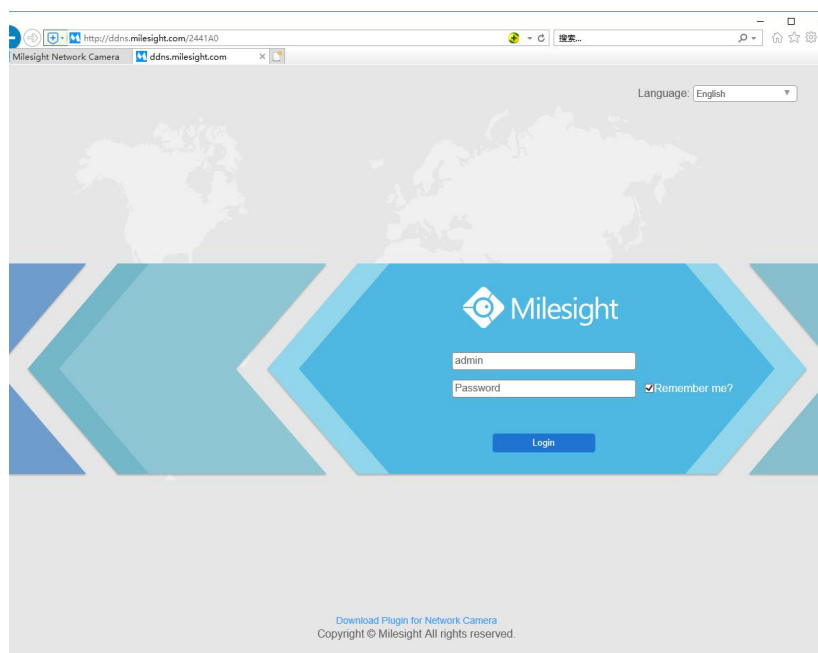


Figure 4

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.

Create your account

For Members:

- [Main Menu]
- [Domains]
- [Subdomains]
- [Web Forward]
- [Dynamic DNS]
- [IPv6 Reverse]
- [Backup DNS]
- [Preferences]
- [Reauth]
- [Logout]

For Everybody:

- [Home]
- [About Us]
- [FAQ]
- [News]
- [DNS Stats]
- [AUP/TOS]
- [Contact]
- [Router Setup Guide]

Sign Up!

Membership Level: Basic

First Name: []

Last Name: []

UserID: Bacon8706

Password: []

Password (confirm): []

E-Mail: []

[Different Image]

☐ I agree to abide by the [Terms and Conditions](#)

[Send activation email](#)

Instant activation mini-FAQ:

- Gmail users (2014-04-26): check your spam folder, maybe try marking messages as not spam.. as I've never spammed, so not sure why but yeah.. probably temporary issue.
- Hotmail users (2015-02-11): Try adding dmsadmin@afraid.org to your address book. I have received a report of mails not arriving unless this is done, specific to hotmail, YMMV.
- Activation emails are sent from [dmsadmin@afraid.org](#), make sure your anti-spam programs and filters accept this. I will **not** respond to challenge/response notifications.
- Activation emails go out **instantly**.
- If you do not receive your activation email, **you can have it resent**, or change your email address by attempting to login to your inactive account.

Statistics:

- Members: 2,710,951
- Premium: 3,061
- Records: 8,659,157
- Zones: 962,623
- +50 subdomains
- +3 stealth flags
- Write a DNS
- Just 85 a month
- Go premium today!
- [Now accepting Bitcoin](#)

Figure 6 Add a new account

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

| | | | | | | | | | | | | | | |
|--|------------|--|---------|------------|---------------|-------|----------|-----------|----------|-------|----------|-----------|--------|---------|
| <h2 style="text-align: center;">Adding a Subdomain</h2> | | | | | | | | | | | | | | |
| <p>For Members:</p> <ul style="list-style-type: none"> [Main Menu] [Domains] [Subdomains] [Web Forward] [Dynamic DNS] [IPv6 Reverse] [Backup DNS] [Preferences] [Registry] [Logout] <p>For Everybody:</p> <ul style="list-style-type: none"> [Home] [About Us] [FAQ] [News] [DNS Status] [AUB/TOS] [Contact] [Router Setup Guide] | | <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> DNS Auth Trace your.domain.com Trace </div> <p>Last IP: 222.76.241.202</p> <table border="1"> <tr> <td>UserID:</td> <td>bac0n\$705</td> </tr> <tr> <td>Account Type:</td> <td>Basic</td> </tr> <tr> <td>Members:</td> <td>2,710,951</td> </tr> <tr> <td>Premium:</td> <td>3,061</td> </tr> <tr> <td>Records:</td> <td>8,659,157</td> </tr> <tr> <td>Zones:</td> <td>962,623</td> </tr> </table> <p>+50 subdomains +2 dnssec flags View it DNS Just \$5 a month! Go premium today!</p> <p>How accepting Bitcoin</p> | UserID: | bac0n\$705 | Account Type: | Basic | Members: | 2,710,951 | Premium: | 3,061 | Records: | 8,659,157 | Zones: | 962,623 |
| UserID: | bac0n\$705 | | | | | | | | | | | | | |
| Account Type: | Basic | | | | | | | | | | | | | |
| Members: | 2,710,951 | | | | | | | | | | | | | |
| Premium: | 3,061 | | | | | | | | | | | | | |
| Records: | 8,659,157 | | | | | | | | | | | | | |
| Zones: | 962,623 | | | | | | | | | | | | | |

Tip #6
Changing your password will automatically log you out of any computer you left yourself signed into using the "Remember Me" option.

Powered by

© 2001-2016 Joshua Anderson, Free DNS is currently processing 4,370 DNS queries per second. (5 min average).
 Rendered in 0.003 seconds

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:

For Members:

- [Main Menu]
- [Domains]
- [Subdomains]
- [Web Forward]
- [Dynamic DNS]
- [IPv6 Reverse]
- [Backup DNS]
- [Preferences]
- [Registry]
- [Logout]

For Everybody:

- [Home]
- [About Us]
- [FAQ]
- [News]
- [DNS Stats]
- [AUP/TOS]
- [Contact]

[Router Setup Guide]

→ HELP AVAILABLE HERE

Updated interface is now available.

Check out: [dynamic update interface](#) (version 2)!

Features: Shorter URLs, native IPv6
Released: February 17, 2016

Dynamic DNS Resources

Dynamic DNS Clients

This is the area where you can download one of the dynamic DNS clients which support FreeDNS

Programmer's XML API

For those who write their own update clients, this allows the downloading of account contents dynamic DNS URLs easily within custom applications for easy maintenance.

Rotate Authentication Token

If you suspect someone has gotten unauthorized access to your update URL, this utility will rotate **ALL** of your update URLs for security reasons. Your old update URLs will no longer be valid.

NOTE: If you've written a client, or have added afraid.org support to your product, please drop me a note so I can add it to the supported clients list. dnsadmin@afraid.org

TIP: You can override automatic IP detection host by appending &address=127.0.0.10 to any update URL (IPv6 addresses are also allowed)

You can also (alternatively) perform updates like this:

```
wget http://[USERNAME]:[PASSWORD]@freedns.afraid.org/nic/update?hostname=[DOMAIN]&mypip=[IP]
```

(https/SSL is also optionally supported/available)

Downloads to use the update scripts:

wget for windows at <http://gnuwin32.sourceforge.net/packages/wget.htm>
cURL for win32 at <http://curl.haxx.se/>

Link updates of the same IP together? Currently Linked/ON

| | |
|--|---|
| 1 dynamic update candidates! (A and AAAA records) | |
| us.to | [add] |
| jhdmsa.us.to | Direct URL Wget Script Curl Script Edit Record quick cron example |
| 120.36.249.85 | |

DNS Auth Trace

your.domain.com

Trace

Last IP: **120.36.249.85**

| | |
|---------------|-----------|
| UserID: | nina2018 |
| Account Type: | Basic |
| Members: | 3,078,190 |
| Premium: | 3,503 |
| Records: | 9,483,174 |
| Zones: | 1,045,561 |

~50 subdomains
 +3 stealth flags
Warning! d DNS
 Just \$5 a month!
[Go premium today!](#)

Now accepting Bitcoin

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?azNhZWdraHVGWjhIWTJCYndCUWk6MTc2NTEwNDq=”



Figure 9 HASH

Step7: Enter the information on the web, and the status would show like this:

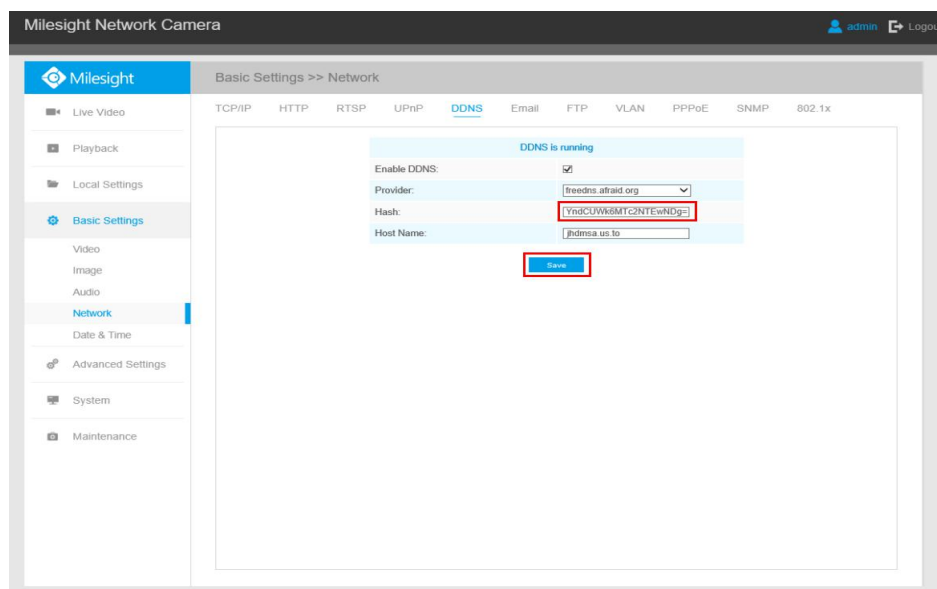


Figure 10 DDNS Status

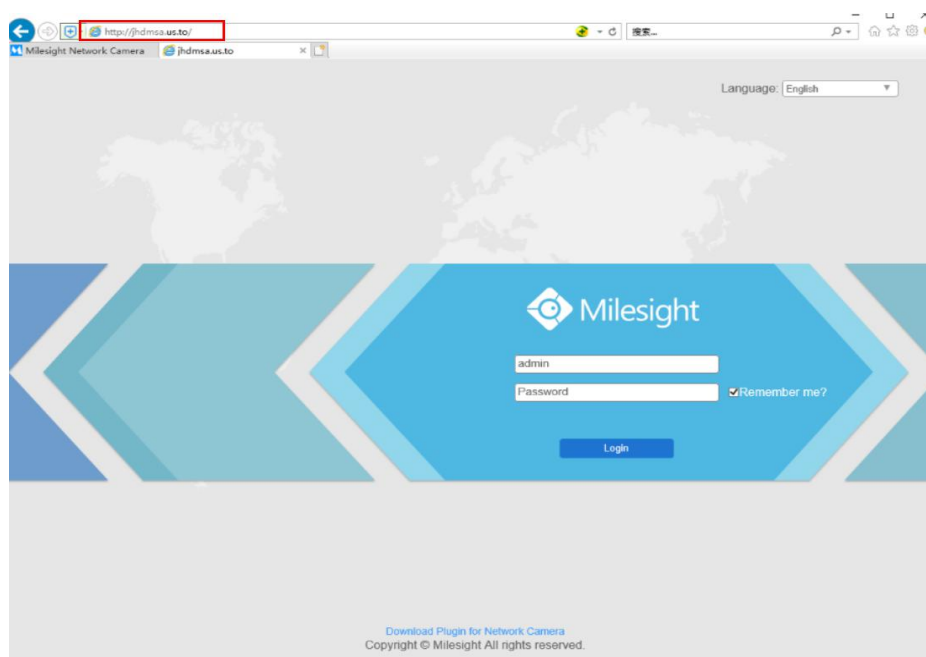


Figure 11 Log in successfully

— — — — — END — — — — —