



Milesight-Troubleshooting

Two Methods to View the Camera from M-Sight Pro

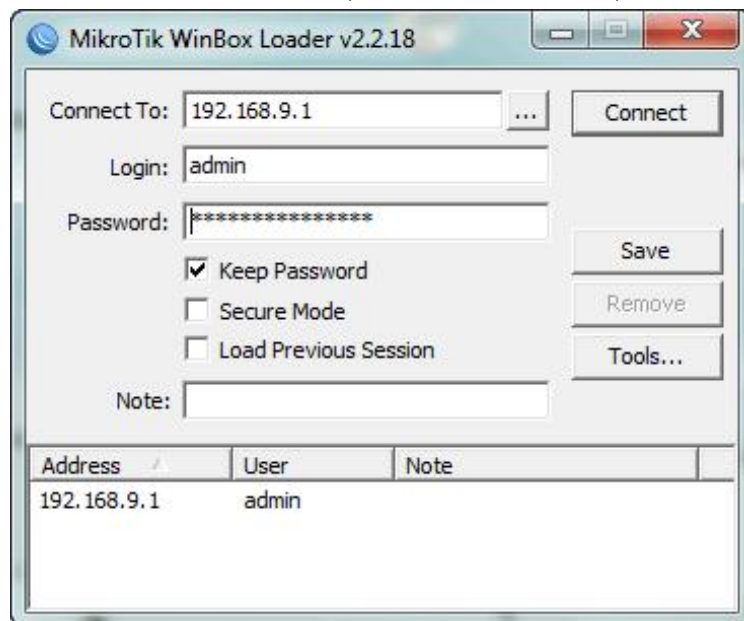
Camera Version	XX.7.0.66	M-Sight Pro Version	2.3.0.6
Update	2018.7.20		

M-Sight Pro is an Milesight Application designed for Milesight camera. There are two methods for us to use M-Sight Pro to view the cameras remotely.

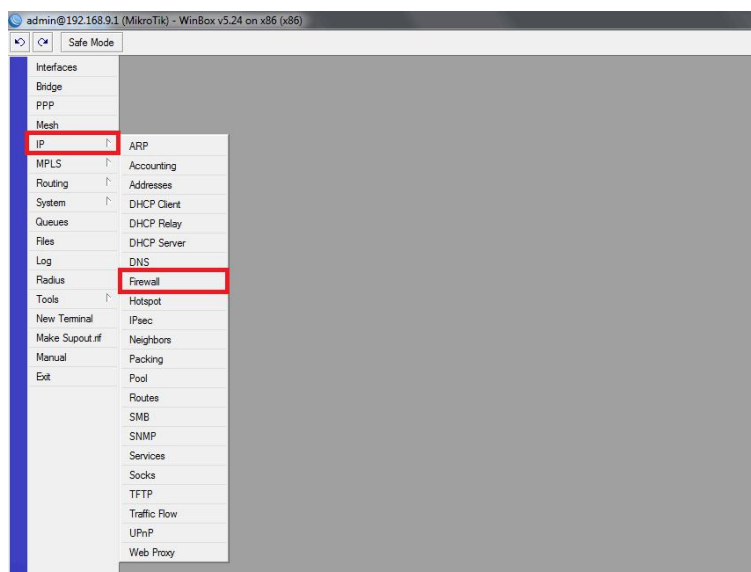
1. Port Mapping

Please do the port mapping as follows:

Step1: Log in router via “winbox” software, enter the IP address, username and password:



Step2: Click IP→Firewall→NAT



admin@192.168.9.1 (MikroTik) - WinBox v5.24 on x86 (x86)

Safe Mode

Hide Passwords

Firewall

Filter Rules NAT Mangle Service Ports Connections Address Lists Layer7 Protocols

Reset All Counters

#	Action	Chain	Src. Address	Dst. Address	Proto...	Src. Port	Dst. Port	In. Inter...	Out. Int...	Bytes	Packets
0 X	dstnat	dstnat			6 (tcp)		554	Eth2-P...		0 B	0
1	mas...	srcnat								1747.9 MB	10 717 441
2 X	mas...	srcnat	192.168.17...							0 B	0
3	dst...	dstnat	192.168.8...		17 (u...		53			1508.3 KB	23 430
4	dst...	dstnat	192.168.9...		17 (u...		53			9.4 MB	145 451
5	dst...	dstnat	192.168.10...		17 (u...		53			949.0 KB	16 448
6	Milesight Demo-IPC	dstnat			6 (tcp)		443	Eth4-1...		4912 B	96
7	Milesight Demo-IPC	dstnat			6 (tcp)		554	Eth4-1...		42.1 KB	672
8	Milesight Demo-IPC	dstnat			6 (tcp)		5060	Eth4-1...		0 B	0
9	Milesight Demo-IPC	dstnat			6 (tcp)		8081	Eth4-1...		21.4 KB	399
10	Milesight Demo-NVR	dstnat			6 (tcp)		8101	Eth4-1...		2696 B	50
11	Milesight Demo-NVR	dstnat			6 (tcp)		1554	Eth4-1...		0 B	0
12	Milesight Demo-NVR	dstnat			6 (tcp)		1100	Eth4-1...		40 B	1
13	CRM-Milesight	dstnat	117.29.182...		6 (tcp)		8082	Eth4-1...		84.0 KB	1 655
14	CRM-Milesight	dstnat	117.29.182...		6 (tcp)		8082	Eth4-1...		0 B	0
15	MISCentre-Milesight	dstnat	117.29.182...		6 (tcp)		21	Eth4-1...		1400 B	33
16	MISCentre-Milesight	dstnat	117.29.182...		6 (tcp)		3306	Eth4-1...		104 B	2

168 items

Step3: Click [+], add a new NAT rule, refer the mapping and fill in the info as follows:

HTTP: 117.29.166.6:6006 → 192.168.8.151:6006

RTSP: 117.29.166.6:5594 → 192.168.8.151:5594

HTTP:

New NAT Rule

General Advanced Extra Action Statistics

Chain: dstnat

Src. Address:

Dst. Address:

Protocol: 6 (tcp)

Src. Port:

Dst. Port: 6006

Any. Port:

In. Interface: Eth4-117.29.166.6

Out. Interface:

Packet Mark:

Connection Mark:

Routing Mark:

Routing Table:

Connection Type:

enabled

OK Cancel Apply Disable Comment Copy Remove Reset Counters Reset All Counters

NAT Rule <6006>

General Advanced Extra Action Statistics

Action:

To Addresses:

To Ports:

OK
Cancel
Apply
Disable
Comment
Copy
Remove
Reset Counters
Reset All Counters

enabled

RTSP:

New NAT Rule

General Advanced Extra Action Statistics

Chain:

Src. Address:

Dst. Address:

Protocol: ☐ tcp

Src. Port:

Dst. Port: ☐ 5594

Any. Port:

In. Interface: ☐ Eth4-117.29.166.6

Out. Interface:

Packet Mark:

Connection Mark:

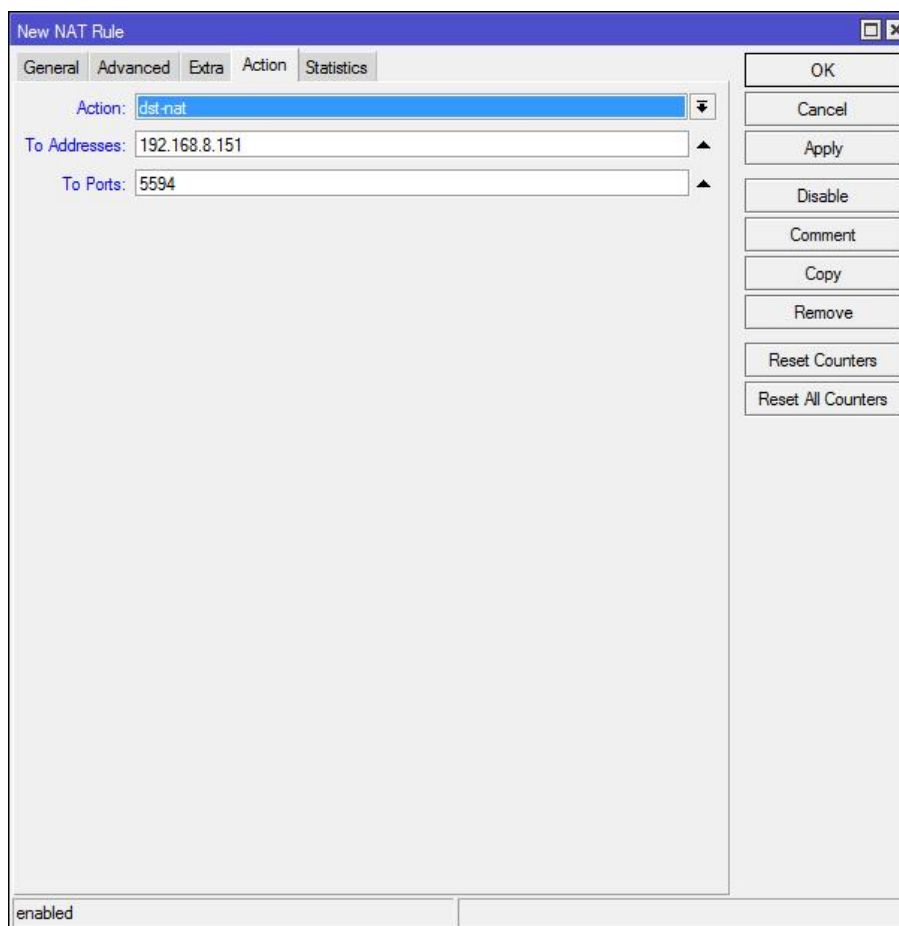
Routing Mark:

Routing Table:

Connection Type:

OK
Cancel
Apply
Disable
Comment
Copy
Remove
Reset Counters
Reset All Counters

enabled



Step4: Click [Mangle]→[+], add a new rule to set the Wan:

Firewall													
Filter Rules NAT Mangle Service Ports Connections Address Lists Layer7 Protocols													
+ - ✓ ✗ [icon] [icon] [icon] [icon] [icon] [icon] [icon] [icon] [icon] [icon] [icon] [icon] [icon] [icon]													
#	Action	Chain	Src. Address	Dist. Address	Proto	Src. Port	Dst. Port	In. Inter...	Out. Int...	Bytes	Packets		
0	✓ mar...	prerouting	192.168.8.1-192.168.8.254							132.1 GiB	172 973		
1	✓ mar...	prerouting	192.168.9.1-192.168.9.254							22.7 GiB	95 338 437		
2	✓ mar...	prerouting	192.168.10.1-192.168.10.254							2167.3 MB	5 208 492		
3	✓ mar...	prerouting	192.168.11.1-192.168.11.254							240.8 MB	1 581 570		
4	✓ mar...	prerouting	192.168.8.100							123.2 MB	493 962		
5	✓ mar...	prerouting	192.168.9.100							51.3 MB	353 544		
6 X	✓ mar...	prerouting	192.168.8.99							0 B	0		
... P2P Server													
7	✓ mar...	prerouting	192.168.9.102							9.5 GiB	24 378 985		
... P2P Server													
8	✓ mar...	prerouting	192.168.9.103							11.8 GiB	27 576 485		
9	✓ mar...	prerouting	192.168.8.102							101.8 GiB	104 805		
10	✓ mar...	prerouting	192.168.8.103-192.168.8.110							175.7 MB	208 973		
11	✓ mar...	prerouting	192.168.8.171							516.3 MB	386 117		
12	✓ mar...	prerouting	192.168.8.80							490.4 KiB	1 488		
13	✓ mar...	prerouting	192.168.8.82							59.7 MB	306 846		
14	✓ mar...	prerouting	192.168.8.61							8.0 MB	96 825		
... Mail-PC													
15	✓ mar...	prerouting	192.168.8.180-192.168.8.200							22.6 GiB	49 794 225		
16 X	✓ mar...	prerouting	192.168.8.178							0 B	0		
17 X	✓ mar...	prerouting	192.168.9.40							0 B	0		
18 X	✓ mar...	prerouting	192.168.9.33							0 B	0		
19	✓ mar...	prerouting	192.168.8.2							18.5 MB	300 294		
20	✓ mar...	prerouting	192.168.8.101							133.7 MB	207 974		
21 X	✓ mar...	prerouting	192.168.11.132							0 B	0		
22 X	✓ mar...	prerouting	192.168.11.136							0 B	0		
23 X	✓ mar...	prerouting	192.168.9.200							0 B	0		
24	✓ mar...	prerouting	192.168.9.94							89.7 MB	88 359		
25 X	✓ mar...	prerouting	192.168.17.1-192.168.17.254							0 B	0		
26 X	✓ mar...	prerouting	192.168.8.171							0 B	0		
27 X	✓ mar...	prerouting	192.168.8.167							0 B	0		
28 X	✓ mar...	prerouting	192.168.9.116							0 B	0		
29	✓ mar...	prerouting	192.168.8.170							4699.5 MB	4 418 286		
30 X	✓ mar...	prerouting	192.168.8.136							0 B	0		
31 X	✓ mar...	prerouting	192.168.8.135							0 B	0		
32 X	✓ mar...	prerouting	192.168.8.132							0 B	0		
33 X	✓ mar...	prerouting	192.168.8.9							0 B	0		
34 X	✓ mar...	prerouting	192.168.8.72							0 B	0		
35	✓ mar...	prerouting	192.168.8.150							15.3 MB	38 124		
36 D	✓ cha...	forward			6 (tcp)			059295...		14.8 KiB	294		
37 D	✓ cha...	forward			6 (tcp)				059295...	17.2 KiB	342		
38 D	✓ cha...	forward			6 (tcp)			-pppoe...		0 B	0		
39 D	✓ cha...	forward			6 (tcp)				-pppoe...	0 B	0		
40 D	✓ cha...	forward			6 (tcp)			-pppoe...		0 B	0		
41 D	✓ cha...	forward			6 (tcp)				-pppoe...	0 B	0		

New Mangle Rule

General Advanced Extra Action Statistics

Chain: prerouting

Src. Address: ☐ 192.168.8.151

Dst. Address:

Protocol:

Src. Port:

Dst. Port:

Any. Port:

P2P:

In. Interface:

Out. Interface:

Packet Mark:

Connection Mark:

Routing Mark:

Routing Table:

Connection Type:

Connection State:

enabled

OK Cancel Apply Disable Comment Copy Remove Reset Counters Reset All Counters

New Mangle Rule

General Advanced Extra Action Statistics

Action: mark.routing

New Routing Mark: WAN117.29.166.6

☒ Passthrough

enabled

OK Cancel Apply Disable Comment Copy Remove Reset Counters Reset All Counters

Step5: Change the HTTP port and RTSP port via Web:

Basic Settings >> Network

TCP/IP HTTP RTSP UPnP DDNS Email FTP VLAN PPPoE SNMP 802.1x

HTTP Enable:	<input checked="" type="checkbox"/>
HTTP Port:	6006
HTTPS Enable:	<input checked="" type="checkbox"/>
HTTPS Port:	443

Basic Settings >> Network

TCP/IP HTTP RTSP UPnP DDNS Email FTP VLAN PPPoE SNMP 802.1x

RTSP Port:	5594
Playback Port:	555
RTP Packet:	Better Compatibility
Multicast Group Address:	239 . 6 . 6 . 6
QoS DSCP(0-63):	0

Step6: Change the Subnet Mask, Gateway and DNS:

Basic Settings >> Network

TCP/IP HTTP RTSP UPnP DDNS Email FTP VLAN PPPoE SNMP 802.1x

☐ Get IPv4 address automatically

☒ Use fixed IPv4 address

IP Address:	192 . 168 . 8 . 151	Test
IPv4 Subnet Mask:	255 . 255 . 254 . 0	
IPv4 Default Gateway:	192 . 168 . 9 . 1	
Preferred DNS Server:	192 . 168 . 9 . 1	
IPv6 Mode:	Manual	
IPv6 Address:		
IPv6 Prefix:		
IPv6 Default Gateway:		

Step7: There are two ways to visit the camera, Fixed IP or DDNS:**Fixed IP:**

Open the App and enter the public IP address to check whether the port mapping is working or not:



中国移动 14:32 72%

← Add Camera

Name	New Device 1
Type	ONVIF
IP	117.29.166.6
Port	6006
User Name	admin
Password	••••••



DDNS:

If you feel that it is difficult to remember the IP address when visiting the camera, we can link the camera IP address with a domain name, and visit the camera by the domain name. The steps are as follows:

- Add a subdomain on the website <http://freedns.afraid.org>;

Adding a Subdomain

For Members:

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

For Everybody:

- [-] Home
- [-] FAQ
- [-] News
- [-] DNS Stats
- [-] API/Tools
- [-] Contact

Add a new subdomain

Type: subdomain

Subdomain:

Domain:

Destination:

TTL:

Wildcard: ☒ Enabled for all subscribers (more info)

Auth Trace

Last IP: 222.76.241.202

User ID: 106608

Account Type: Basic

Members: 2,361,988

Premium: 2,791

Records: 7,944,730

Zones: 889,433

+50 subdomains
+3 health flags
We're at CH2
Just \$3 a month!
Go premium today!

Now accepting Bitcoin

Tip #2
If you have multiple records going to the same place, setup CNAME aliases to your main record to save time/resources updating your records should your IP change.

Powered by **FreeDNS**

© 2001-2015 Joshua Anderson, **FreeDNS** is currently processing 3,551 DNS queries per second. (5 min average).

Rendered in 0.002 seconds

- Link the domain name with the IP address, 117.29.166.6, which we have mapped before:

Editing crixsus.crabdance.com

Type: A [explanation](#)


Subdomain: crixsus

Domain: crabdance.com (public)

Destination: 117.29.166.6 [Forward to a URL](#)

TTL: For our premium support seconds (optional)

Wildcard: ☐ Enabled for all subscribers ([more info](#))

 [\[Different Image \]](#)

Save!

- Add the camera to M-Sight Pro by domain name(ONVIF mode);

中国移动 16:04 58%

← Add Camera

Name New Device 1

Type ONVIF

IP crixsus.crabdance.com

Port 6006

User Name admin

Password ••••••



- Or add the camera to M-Sight Pro by domain name(RTSP mode);



Name	New Device 1
Type	RTSP
Primary	rtsp://cixsus.crabdance.com:5594/main
Secondary	rtsp://cixsus.crabdance.com:5594/sub
User Name	admin
Password	•••••



2. P2P

Send the MAC address of your camera to us, we will activate your camera. Then M-Sight can visit the camera by the P2P mode.

Please do steps as follows:

Step1: Click on the button “”, choose “Device Manager”, click “” and “Add Camera” to add device. There are three adding types, you should choose to add via “P2P”;

Step2: Enter the MAC address of the camera, the user name and the password. The MAC address of the camera can be generated automatically by scanning the bar code, or you can scan the QR code from web interface. The default user name is: admin, default password is: ms1234;



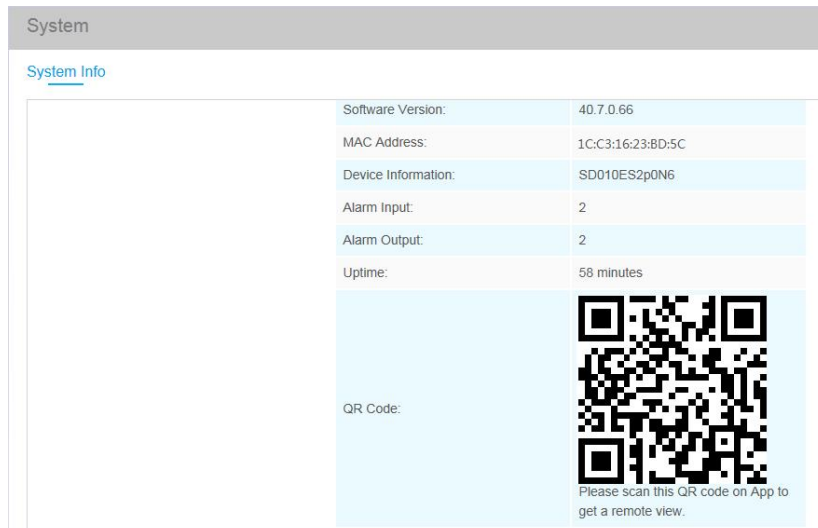


Figure 1-1 Scan QR Code



Figure 1-2 Scan bar code

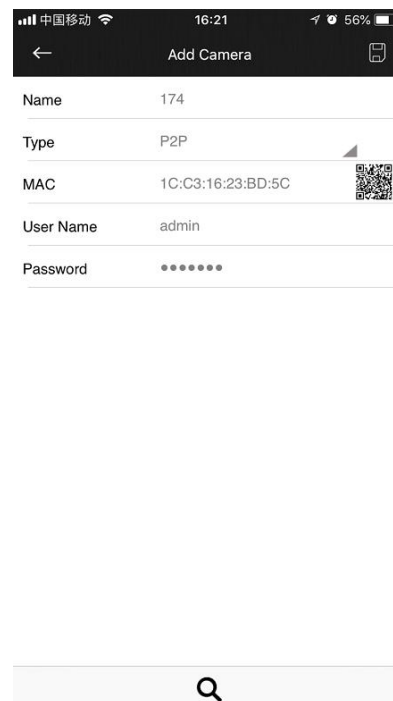




Figure 1-3 Add by P2P type

Step3: Click on the “” button to save the device info. After being added successfully, it will get the device number and device name automatically;

Step4: Play the devices. You have two ways to play live view via P2P;

- Choose the devices you want to play in the “Device Manager” interface, and click the devices to play the live view;
- Click on the “” button in the “Live View” interface, choose the devices you want to play, and click the “Play” button ;

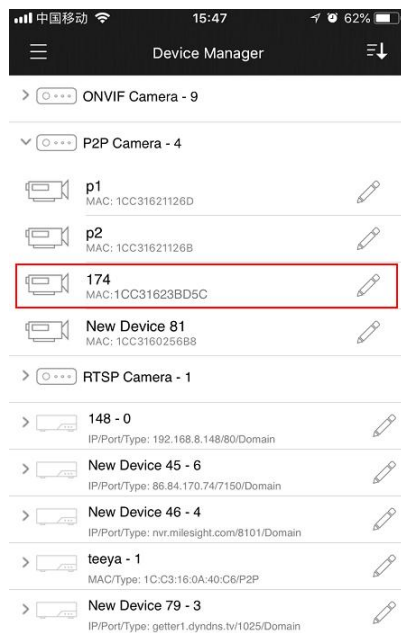


Figure1-4 Play the device 1

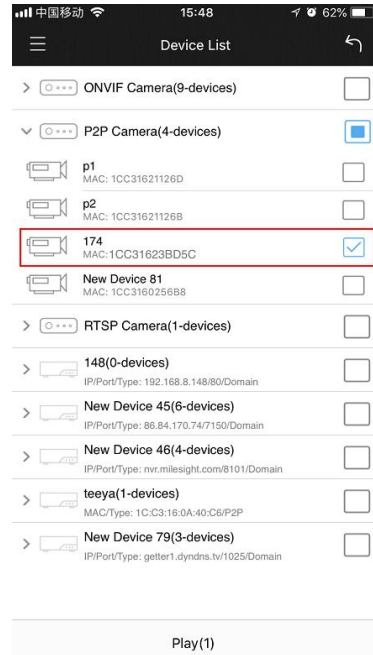


Figure 1-5 Play the device 2

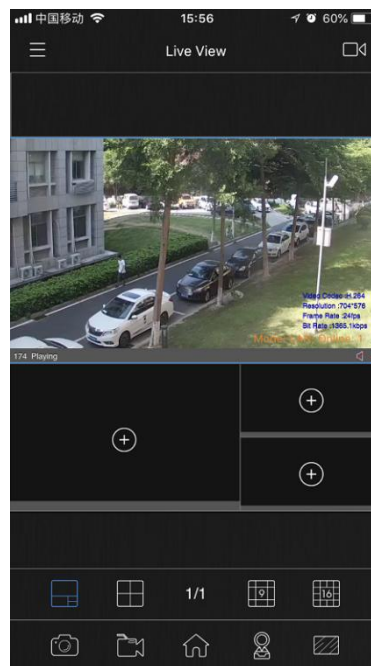


Figure 1-6 Play successfully

Note:

You can enter the MAC address of the camera as well as scan the bar code/QR code to automatically generate the MAC address.

-END-