Step 1: Install devices

Store network topology, cameras, hard disk video recorder and other network devices are connected to the same switch to ensure that the computer and monitoring equipment are in the same LAN



Step 2: Download and install the debugging software

The required software: IPCsearch and NVRStation The batch tool: Batch tool and WDZtool Download address: http://www.opretail.com/#/download



Step 3: set the NVR's IP address



1) IPC Search

, You can search the IP address, model, DHCP status

and MAC address of O1, NVR, PC4 and FR3.2) Modify the IP address of NVR.

| S IPC | |) | | | | | - 🗆 > | × |
|-------|----------|--------------|------------------|------------|---------------|---------|--|---|
| S | earch | BroadSet | Modify Params I | ogin Pass | word Reset Ba | tch Pro | cessing 🛛 Language 🖵 📀 Help 👻 | - |
| No. | IP | Alias | Device model | Mask | Gateway | MAC | Modify Params | • |
| 70 | 172.30.1 | 6.27 NVR0014 | 1 NVR1822(Ver.B) | 255.255.25 | 172.30.19 | 00-14 | | |
| 17 | 172.30.1 | 6.44 NVR0014 | 4 NVR1825(Ver.B) | 255.255.25 | 172.30.19 | 00-14 | Device: NVR0014101f98cd | |
| 24 | 172.30.1 | 6.1 NVR0014 | 4 NVR1825(Ver.B) | 255.255.25 | 172.30.19 | 00-14 | MAC: 00-14-10-1F-98-CD | |
| 45 | 172.30.1 | 9.1 NVR0014 | 4 NVR1825(Ver.B) | 255.255.25 | 172.30.19 | 00-14 | Model: NVR1822(Ver.B) | |
| 47 | 172.30.1 | 6.1 NVR182 | 5 NVR1825(Ver.B) | 255.255.25 | 172.30.19 | 00-14 | Device Address | |
| 71 | 172.30.1 | 9.11 NVR0014 | 4 NVR1825(Ver.B) | 255.255.25 | 172.30.19 | 00-14 | | |
| 72 | 172.30.1 | 6.1 NVR0014 | 4 NVR1825(Ver.B) | 255.255.25 | 172.30.19 | 00-14 | Auto-obtain device address(Open DHCP). | |
| 73 | 172.30.1 | 6.1 NVR0014 | 4 NVR1825(Ver.B) | 255.255.25 | 172.30.19 | 00-14 | Custom device address(Close DHCP). | |
| 76 | 172.30.1 | 6.1 NVR0014 | 4 NVR1825(Ver.B) | 255.255.25 | 172.30.19 | 00-14 | IP Address: 172 . 30 . 16 . 27 | |
| 79 | 172.30.1 | 8.1 NVR0014 | 4 NVR1825(Ver.B) | 255.255.25 | 172.30.19 | 00-14 | Subnet Mask: 255 . 255 . 252 . 0 | |
| 80 | 172.30.1 | 9.40 NVR0014 | 4 NVR1825(Ver.B) | 255.255.25 | 172.30.19 | 00-14 | | |
| 81 | 172.30.1 | 6.1 NVR0014 | 4 NVR1825(Ver.B) | 255.255.25 | 172.30.19 | 00-14 | Gateway: 172 . 30 . 19 . 234 | |

If there is no special requirement for the IP address, the last bit of the IP address should be modify first (for example: 172.30.16.27, should be modify"27 " first). Ping test should be done before setting up to prevent IP conflicts, and the Gateway and the Subnet Mask must be set right!

3) Activate O1 (NVR does not need to be activated)

| N IPC | CSearch 3.0 Tearch Broa | adSet Moo | dify Params | Login | Passwor | rd Rese ^r Ba | itch Proc | essing | | | | | 🥹 Language |
|--|----------------------------|-------------------|--------------------|--|-----------------|-------------------------|---------------|---------|---------------------|----------------------|---------------------------------------|----------------------|----------------|
| No. 21 | IP 172.30.19.2 | Alias IPCamera | Device model O1 | Masl 255. | د G 255.25 1 | ateway 72.30.19 | MAC 00-14- | -10-2 | Version 7.1.6.13 | Serial Nu. 0190KA | Runtin 168hr | ne Acti .10m Acti | ve St vated |
| 27 46 | Batch Processing | | | | | | | | | | | | × |
| 1 2 3 | A Reboot Please selection | Factory Rest | to be processe | Passwoi d. | d Modifica | tion Load | l Config | Reset E | 3lack/White | IP List A | ctivate | Debug Moo | de Netwo 🕨 |
| 4 | Device model | 01 | | • | Refresh ve | rsion info | | | | | | | |
| 6 7 8 9 10 13 14 39 40 41 65 | 41 | Alias | Device mode | Op | eration Sta | tus MAC | | Version | Kuntim | e Activ | · · · · · · · · · · · · · · · · · · · | | |
| 66 68 69 83 | Select all | adı | min | | Ema: | i1: | | | | | | | |
| 42 67 11 | New Password: | ć | admir | า12 | 3 PWD | Confirm: | | ad | min | 123 | 3 | | Activate |

4) Modify the IP address of $01\,$

| C | 。 IPC | | _ | | | | | | | | | | | |
|---|-------|--------------|-----------|--------------|------------|--------------|----------------|-------|-----------|------------|---------------|-------------|---------|---------------|
| | Se | arch Bro | oadSet Mo | odify Params | ogin Passw | ord Reset Ba | tch Processing | | | | | 🕲 La | inguage | ▼ ② He |
| h | No. | IP | Alias | Device model | Mask | Gateway | MAC | Versi | on | Serial Nu | Runtime | Active St | | |
| | 21 | 172.30.19.2 | IPCamera | 01 | 255.255.25 | 172.30.19 | 00-14-10-2 | 7.1.6 | .13 | 0190KA | 168hr.16m | Activated | | |
| Ľ | 27 | 172.30.18.29 | IPCamera | 01 | 255.255.25 | 172.30.19 | 00-14-10-2 | Mod | ify Para | ams | | | | × |
| | 46 | 172.30.16.2 | 科达球机 | 01 | 255.255.25 | 172.30.19 | 00-14-10-2 | Iviou | ily i ala | 41115 | | | _ | ^ |
| | 1 | 172.30.18.79 | B827EB4 | PC4 Ver.B | 255.255.25 | 172.30.19 | B8-27-EB-4 | De | vice: | | IPCamer | a | | |
| | 2 | 172.30.16.1 | B827EB2 | PC4 Ver.B | 255.255.25 | 172.30.19 | B8-27-EB-2 | МА | C: | | 00-14-1 | 0-23-1A-E7 | | |
| | 3 | 172.30.19.1 | B827EB8 | PC4 Ver.B | 255.255.25 | 172.30.19 | B8-27-EB-8 | Mo | del: | | 01 | | | |
| | 4 | 172.30.19.1 | B827EB7 | PC4 Ver.B | 255.255.25 | 172.30.19 | B8-27-EB-7 | _ D | ovice | Adrocc | | | | |
| | 5 | 172.30.19.12 | B827EB3 | PC4 Ver.B | 255.255.25 | 172.30.19 | B8-27-EB-3 | | evice i | nuuress | | (0 0000) | | |
| | 6 | 172.30.19.1 | B827EB8 | PC4 Ver.B | 255.255.25 | 172.30.19 | B8-27-EB-8 | | Aut | o-obtain d | evice address | (Open DHCP) | | |
| | 7 | 172.30.16.1 | B827EB6 | PC4 Ver.B | 255.255.25 | 172.30.19 | B8-27-EB-6 | | • Cus | tom device | address(Clos | e DHCP). | | |
| | 8 | 172.30.18.2 | B827EB7 | PC4 Ver.B | 255.255.25 | 172.30.19 | B8-27-EB-7 | | I | P Address: | | 172 . 30 | . 19 . | 201 |
| | 9 | 172.30.18.20 | B827EB3 | PC4 Ver.B | 255.255.25 | 172.30.19 | B8-27-EB-3 | | s | ubnet Mask | . / / . | 255 . 25 | 5.252 | 0 |
| | 10 | 172.30.16.2 | B827EB2 | PC4 Ver.B | 255.255.25 | 172.30.19 | B8-27-EB-2 | | | | | 170 20 | 10 | 254 |
| | 13 | 172.30.18.10 | B827EBC | PC4 Ver.B | 255.255.25 | 172.30.19 | B8-27-EB-C | | G | ateway: | | 172.30 | . 19 . | 204 |
| | | 470.00404 | DOOTEDC | DC 111 D | accord or | 470.00.40 | DO 07 ED 0 | | | | | | | |

Warning: do not repeat with other cameras' IP address

Step 4: activate and set up IP cameras



, We can search the IP address,

1) Run the device network search software

model, DHCP state, MAC address of D6P, D10PS, etc.

2) Activate the camera, and set the password to admin123. After activation, the

pop-up box will prompt "successfully activated"

| | ◎ _ □ × |
|--|--------------------------|
| E%ip#eta: 1 周新 | ■ 激活设备 |
| ¹² 编号 -1 设备类型 1 潮运代本 11P地址 1 端口 1 软件版本 11Pv4网关 1 HTTP1设备序列号 21 如 DS-IPC-T12-I 未激活 192.168.1 8000 V5.5.51bui 192.168 80 DS-IPC-T12-I201805 | |
| nonactivated | 设备未激活 |
| new password | |
| select the device | 激活设备后即可修改设备网络参数。 马上数活 |
| | 新密码: |
| Enter password again | 确认做码: |
| activate | 2 13 |

3) Set the unique IP address. Set subnet mask and gateway to the same network segment with IP,

| ② 设备网络搜索 | | 0 _ 🗆 × |
|---|---|--------------------------------------|
| 在线设施总数: 1 印绘 | 修改网络参数 | |
| ■ 1 编号 • 1 设备类型 1 激活状态 1 IP地址 1 端口 1 软件版本 1 IPv4网关 1 HTTP 1 设备序列号 2 001 < | ● 使用DHCP ✓ 使用第石云 | |
| IP address | 设备序列号: IP地址: | DS-IPC-T12-I20180511 192.168.1.64 |
| subnet mask | 941. 子母擁弱: 阿关: | 255.255.255.0 192.168.1.1 |
| | IPv6地址: IPv6网关: | 17 18 18 |
| gateway | IPv6子同前盛长度: HTTP鏡口: | 0 80 |
| admin password | 管理员案码: | 安全研究征 |
| confirm | | 物改善的问题。 |

Step 5: set the ONVIF parameters of the camera



| Batch C | Configuration | | | | | | | | | | | Δ | 0 × |
|----------|---------------|-----------|----------------|--------|-------------------|--------------|--------------|------------|----------|------------|---------|--------|-------------|
| | OC Total Nu | mber: 0 | Cl Rofr | + | X Del 🗔 | Upgr [| a Batch Cor | oficiurat | Configu | uro via HT | I. More | • | A Settings |
| | | LID Addre | Port I C | offuer | | Via I (| Configuratio | ngulat | connige | | T WOIE | - | 2º Settings |
| - 10 - | Device Type | | essi port i si | ontwar | e versii serial i | NO. T | Lonnguratio | n ⊤upgr | aue | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 10 | | | 2 | C | ick Add | 1 | | | | | | | |
| 1.56 | elect al | | | - | | • | | | | | | | |
| Filter | Q Total Nu | mber: 16 | | (+) | Add 🛛 🖓 Activa | te 🔏 Res | set Password | ∕ Mod | lify Net | work Param | eters | | |
| D - | Device Type | Security | IPv4 Addr | I Port | Software Vers | . IPv4 Gate. | HTTP P | Device Ser | ial ∣ | Subnet M | MAC A | ddress | Encoding |
| ☑ 001 | DS-7104N | Active | 172.30.1 | 8 | V3.4.93build | 172.30.1 | . 80 | DS-7104N | I-F1 | 255.255 | 4c-bd- | 8f-a | 0 |
| ☑ 002 | D6 | Active | 172.30.1 | 8 | V5.5.6build | 172.30.1 | . 80 | D6201901 | 14 | 255.255 | f8-4d-f | c-ab | 0 |
| ✓ 003 | D7P | Active | 172.30.1 | 8 | V5.5.53build | 172.30.1 | . 80 | D7P20190 |)71 | 255.255 | bc-ba- | c2-3 | 0 |
| ☑ 004 | D10P | Active | 172.30.1 | 8 | V5.5.53build | 172.30.1 | . 80 | D10P2019 | 907 | 255.255 | bc-ba- | c2-4 | 0 |
| ✓ 005 | DS-IPC-T1 | Active | 172.30.1 | 8 | V5.5.91build | 172.30.1 | . 80 | DS-IPC-T1 | 4H | 255.255 | 98-df-8 | 32-0 | 0 |
| ☑ 006 | DS-2PT33 | Active | 172.30.1 | 8 | V5.4.34build | 172.30.1 | . 80 | DS-2PT33 | 261 | 255.255 | 68-6d- | bc-4 | 0 |
| ☑ 007 | 04 | Active | 172.30.1 | 8 | V5.5.12build | 172.30.1 | . 80 | 04201811 | 115 | 255.255 | 58-03- | fb-4 | 0 |
| Error Me | ssage(0) 💉 | | | | | | | | | | | | 4 |

2) Enter the administrator account name "admin" and the password "admin123"

| Add Device | | × |
|---------------|-----------------------|--------|
| Log in to the | e Selected Device(s): | |
| User Name: | admin | |
| Password: | admin123 | |
| | ОК | Cancel |

3) Select all cameras and configure ONVIF parameters

| G Batch Configuration | ↓ 0 _ □ × |
|--|-------------------------------|
| All Devices Total Number: 1 C Refr + × Del G Upgr G Batch Configurat Configure vig HT | More 🔹 🖉 Settings |
| 🛛 🛛 🗗 🗉 Device Type IP Address Port Software Versi Serial No. 🛛 Configuration Upgrade 🦷 👘 | 🖙 Wiper |
| ☑ 001 D10P 172.30 8000 V5.5.53 build D10P201907 Unknown | |
| | 券 Reboot |
| 1 | Export Devices |
| | Ø ONVIF Configu |
| 3 | 🖉 CGI Configurati |
| | ^(b) UPnP Configure |
| | |
| | |
| | |
| Filter Q Total Number: 16 C Refresh + Add Q Activate 🔏 Reset Password 🖉 Modify Network Param | eters |

4) Enter name: admin, password: admin123 and select administrator

| ONVIF Configuration | × |
|-------------------------|----|
| Enable ONVIF | |
| Add a User | |
| User Ty 🔿 Me 🔿 Ope 🖲 Ad | |
| User Name: admin | |
| New Password: admin123 | |
| Confirm Password: | |
| OK Cance | el |

 $5\,)\,$ Reboot the camera to ensure that the parameter Settings take effect

| | | | \ | <u> </u> | \\ | | \\ | | | | | | \\ | | |
|----------|----------|--------|---------------|-------------|--------|----------|---------|------------|----|----------------|-------|--------------|------|-----------------------------|---------|
| AI | Devic | es - | Total Number: | 1 | C Refr | . + | imes De | I 🖵 Upg | ır | G Batch Config | urat | Configure vi | a HT | More • | 🖉 Setti |
| V | 1 ID • 1 | Device | Type ∣ IP A | \ddres | s Port | Software | Versi | Serial No. | | Configuration | ∣ Upg | jrade | | 🖾 Wiper | |
| ~ | 001 | D10P | 172 | <u>?.30</u> | 8000 | V5.5.53 | build | D10P20190 |)7 | | Un | nown | _ | Restore | Default |
| | | | | | | | | | | | | | | 卷 Reboot | |
| | | | | | | | | | | | | | | 🕒 Export | Devices |

Step 6: log on to NVR



1) Run NVR software 万店掌 . Enter the user name and password and check automatic login.

| - PTZ Control | |
|---------------|---|
| | Log In to the WVR Station |
| A • A • | Vser None Patroord Password admin123 Bonenber Fassvord Auto Login Full Screen Log in Full |
| | |

$\mathbf{2)} \ \mathbf{Add} \ \mathbf{a} \ \mathbf{NVR}$



3) Fill in the name, user name, password, NVR IP address.

| PTZ Control | |
|---------------------------------|--|
| | Connection Settings 😤 🗴 |
| | Vane Whatever you like |
| \$ • • • * • | Password admin12345 |
| • • • • | |
| 💌 Device List 🛛 🐣 📮 🕇 | • IP Address 0.0.0.0 |
| Search for a device Q | NVR's IP address |
| | 🗌 Remember User 🗌 Remember Password 📃 Auto Connect |
| | OK Cancel |
| | |

4) Connect the NVR



Step 7: add a camera

1) Click "add/delete device"



2) Select cameras you want to add

| Model Name | IP Address | Driver | Device Type | |
|-------------|-----------------|---------------------|-------------|--|
| 西南角 | 172.30.16.11 | IPC2211-FN-AIR40-LM | amera | |
| ✓ACD DOOR | 172.30.19.183 | KSCA120-ANW-FC(Ver(| Camera | |
| 🗸 IPCamera | 172, 30, 19, 41 | IPC2211-HN-SIR30-LM | Camera | |
| 财务 | 172.30.16.6 | IPC2211-FN-AIR40-LM | Camera | |
| 西2 | 172, 30, 16, 13 | IPC2211-FN-AIR40-LM | amera | |
| 张瑞的IPC(喇叭2) | 192.168.1.45 | IPC2211-FN-AIR40-LA | amera | |
| FACE IPC | 172.30.19.57 | IPC2452-Gi4N (| Camera | |
| IPCamera | 172.30.19.110 | IPC421-F120-NO (| amera. | |
| 一大厅直播 | 172.30.19.100 | IPC2211-HN-SIR30-LM | Camera | |
| 张瑞的IPC | 172.30.19.199 | LC2211-HN-DIR30-LOX | amera | |

3) Add cameras(if you need to enter the username and password, they are the same one that used when setting for ONVIF which are admin/admin123)

| Device | | | | | | x |
|-----------------|---------------|-------------------|---------------------|-------------|--------|----------|
| Add | Delete | | | | | |
| Search for a De | vice | | | | | |
| Device Type: | ONVIF | TP: | 0. | 0.0.0 | Search | More |
| Search Results | Available/Max | Encoder Number: 9 | / 16 | | | |
| Mode | l Name | IP Address | Driver | Device Type | | |
| ACD DOOR | | 172.30.19.183 | KSCA120-ANW-FC(Ver) | Camera | | ~ |
| 🖌 IPC amera | | 172.30.19.41 | IPC2211-HN-SIR30-LA | Camera | | |
| 西南角 | | 172.30.16.11 | IPC2211-FN-AIR40-L | Camera | | |
| 东2 | | 172, 30, 16, 18 | IPC2211-FN-AIR40-LA | Camera | | |
| FACE IPC | | 172.30.19.57 | IPC2452-Gi4N | Camera | | |
| 西2 | | 172.30.16.13 | IPC2211-FN-AIR40-LA | Camera | | _ |
| □前台−左 | | 172.30.16.19 | IPC2211-FN-AIR40-LA | Camera | | _ |
| □ 办公区2 | | 172.30.16.23 | IPC2211-FN-AIR40-LA | Camera | | _ |
| IPC amera | | 172.30.19.200 | IPC421-F120-N0 | Camera | | |
| 一办公区1 | | 172.30.16.22 | IPC2211-FN-AIR40-LI | Camera | | |
| Select All | | | U | | | |
| Search | Add Ch | ange IP Address | Replace Aut | o Add | | Cancel |

4) Drag added cameras to the screen for viewing



Step 8: NVR access to the cloud platform

1) Log in at $\underline{http://www.opretail.com/\#/login} use a computer. Google Chrome is recommended$



2) Go to Device Mgmt select Add





 $4\,)\,$ Enter the MAC address of the device. Then, Enter the password for the device, which is admin12345 by default

| AU | Change | |
|---|--------|-------|
| Input the serial No. | 0, | Query |
| Device number:0/Max. device number:16 | | |
| Ads launching device adding are not supported currently | | |

5) Once the connection is successful, we can see the device from the device mgmt

