



# **ProSeries IP CAMERA INSTALLATION GUIDE**

4KTPD-MVF  
4MTPD-MVF  
4MTPD-2.8  
2MTPD-VF

4MMD-2.8  
2MMD-2.8

4MED-3.6  
2MED-3.6

2MTD-2.8

4KB-MVF  
4MB-MVF  
2MB-VF

4MB-3.6  
2MB-3.6

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Uniden constantly works on improving our products. This includes updating our documentation with the latest firmware changes. Go to [www.uniden.com](http://www.uniden.com) to find the latest version of all documentation.

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# INSTALLATION

## OVERVIEW

Uniden's IP cameras can be installed indoors in either Uniden's NVR or XVR surveillance systems.

TAMPER- PROOF DOME	MINI DOME	EYEBALL DOME	TURRET DOME	LARGE BULLET	SMALL BULLET
				 	
4KTPD-MVF	4MMD-2.8	4MED-3.6	2MTD-2.8	4KB-MVF	4MB-3.6
4MTPD-MVF	2MMD-2.8	2MED-3.6		4MB-MVF	2MB-3.6
4MTPD-2.8				2MB-VF	
2MTPD-VF					

## WHAT'S INCLUDED

- IP camera
- Mounting template sticker
- Star-tipped Allen wrench
- 2-wire to 2.1mm barrell plug for optional 12V DC power input
- Installation screws and anchors

***Network cable and power source are not included. SD cards are not included. If you plan on using the Automatic Network Restoration feature in the NVR, you will need to purchase an SD card.***

## INSTALL CAMERAS

### INSTALLATION TIPS

- When selecting an outside location for your cameras, keep in mind that most cameras are designed to operate between 14°F to 122°F (-10°C to 50°C) with a relative humidity of up to 95%. Avoid installing cameras in direct sunlight, and consider wind chill and other environmental factors, too.
- Mount the camera in an area that is visible, but out of reach. Route the wiring so it does not interfere with power or telephone/cable lines and it should not be where it could be easily cut. Create a plan for camera wire routing and for camera angle.
- Adjust the camera angle so that it covers an area with high traffic as needed. In “high-risk” locations, have more than one camera cover the same area. This provides camera redundancy if a vandal attempts to damage a camera.
- If you position cameras indoors, avoid pointing the camera at a glass window to see outside. This may result in a bright white ring in the night vision image because the light from the night vision LEDs may reflect off the window glass.

Take the following placement suggestions under consideration:

- **Cabling Distance From NVR to Camera.** The video signal sent from the camera to the DVR is reduced over distance. The maximum distance allowed is 330 feet (100 meters). A 60 foot cable is included. If you need a cable longer than 60 feet, then use an RG59 cable (with suitable connectors).
- Do not submerge any camera.
- **Mounting.** Ensure the camera is mounted on a stable surface which is capable of supporting 5 times the weight of the camera.
- Avoid direct exposure to the weather. Cameras which are weatherproof may be mounted outside, such as under an eave or other overhang; however, the image will be affected by rain, etc., landing on the lens. Do not allow direct sunlight to land on the lens.



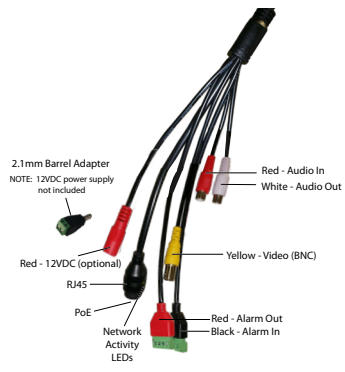

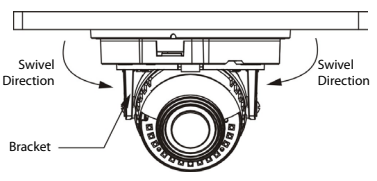
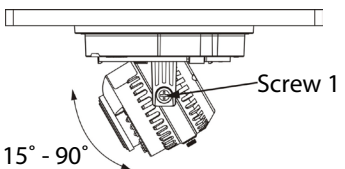
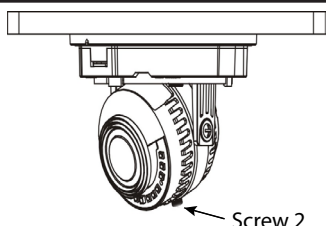
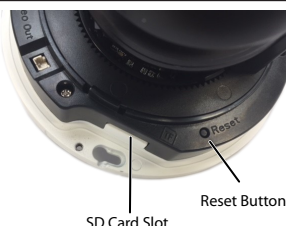
- |  |
|--|
| 1. With the DVR connected to the camera, hold it in the location where you want it mounted. Check the display on the monitor to verify that the view from that location is acceptable.                           |
| 2. Mount the camera(s) to the desired surface using the parts in the supplied mounting kit. If mounting on drywall, use the drywall anchors supplied in the kit.   |
| 3. Adjust the camera to ensure that the camera has a satisfactory view of the area you would like to monitor. Cameras have several adjustment points to provide maximum flexibility when setting the view angle. |

## TAMPER-PROOF DOMED CAMERAS

- |   |
|---|
| 1. Remove the camera and accessory items from the box. Verify that all parts are there.   |
| 2. Position the installation template sticker on the location (wall, ceiling, etc). Drill a 1" hole as indicated on the sticker and install anchors and screws. |

- |  |  |
|--|--|
| 3. Unscrew the camera from the housing, allowing the camera to separate from the housing and clear dome. |  |
| 4. Connect the camera's network cable tail to the house cabling through the 1" hole.                     |  |



<p>5. If you have a 4K TPD camera, connect the plugs from the network cable tail to their appropriate cables.</p> <p><b><i>When using an optional external power supply, the AC socket outlet shall be installed near the equipment and be easily accessible.</i></b></p>	
<p>6. Align the camera base screw holes to the screws. Hang the base onto the screws then slide the base along the screw lock to secure.</p>	
<p>7. Remove the protective films from the inside and outside of the camera dome and clean the dome with a microfiber cloth (not included) if available.</p> <p><b><i>Do not use a paper towel to clean the camera lens or dome as it might leave scratches.</i></b></p>	
<p>8. Adjust the bracket to swivel the camera up to 175° on a horizontal axis (orients the camera for top/bottom of frame).</p>	
<p>9. Loosen screw 1 and adjust the camera from 15 - 90° on a vertical axis.</p>	
<p>10. Loosen screw 2 to fine-tune the horizontal axis (+/- 30°).</p> <p><b><i>As you adjust the camera position, check it through the NVR Preview screen.</i></b></p>	
<p>11. Insert an SD card if needed.</p>	

12. Remove the dessicant packet from the sealed plastic envelope and position it inside the camera.



13. Screw the housing back onto the camera base.

## INSTALL MINI DOME CAMERA

### What's Included

- IP camera
- Mounting template sticker
- Star-tipped Allen wrench
- 2-wire to 2.1mm barrell plug for optional 12V DC power input
- Installation screws and anchors
- Dessicant package

### Install Camera

1. Remove the camera and accessory items from the box. Verify that all parts are there.

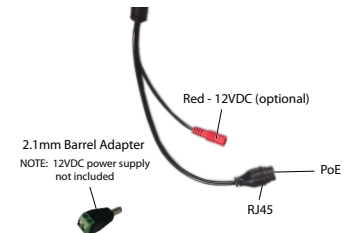
2. Position the installation template sticker on the location (wall, ceiling, etc). Drill a 1" hole as indicated on the sticker and install anchors and screws.

3. Unscrew the camera from the housing, allowing the camera to separate from the housing and clear dome.



4. Connect the camera's network cable tail to the house cabling through the 1" hole.

***When using an optional external power supply, the AC socket outlet shall be installed near the equipment and be easily accessible.***




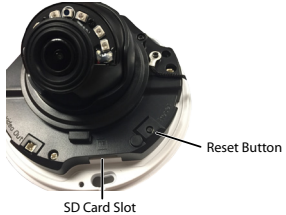


5. Align the camera base screw holes to the screws. Hang the base onto the screws then slide the base along the screw lock to secure.



6. Remove the protective films from the inside and outside of the camera dome and clean the dome with a microfiber cloth (not included) if available.

***Do not use a paper towel to clean the camera lens or dome as it might leave scratches.***




<p>7. Adjust the collar to swivel the camera up to 175° on a horizontal axis (orients the camera for top/bottom of frame).</p> <p><b><i>As you adjust the camera position, check it through the NVR Preview screen.</i></b></p>	 <p>Adjustable collar</p> <p>Thumb Control</p>
<p>8. Insert an SD card if needed.</p>	 <p>Reset Button</p> <p>SD Card Slot</p>
<p>9. Remove the dessicant packet from the sealed plastic envelope and position it inside the camera.</p>	
<p>10. Align the tab on the housing with the slot on the camera base for easier reassembly. Tighten screws.</p>	

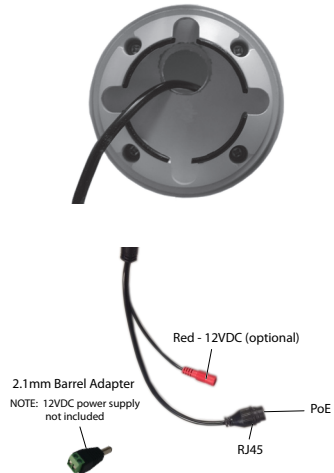


## INSTALL EYEBALL DOME CAMERA

### What's Included

- IP camera
- Mounting template sticker
- Star-tipped Allen wrench
- 2-wire to 2.1mm barrell plug for optional 12V DC power input
- Installation screws and anchors
- Dessicant package

### Install Camera

<p>1. Remove the camera and installation items from the box. Verify that all parts are there.</p>	
<p>2. Hold the camera and sleeve steady and unscrew the ring from the base.</p>	 <p>Base</p> <p>Ring</p> <p>Sleeve</p> <p>Camera</p>
<p>3. Position the installation template sticker on the location (wall, ceiling, etc). Drill a 1" hole as indicated on the sticker. Install the anchors.</p>	
<p>4. Position the base on the template, aligning the screw holes to the anchors, and screw it into position.</p>	

<p>5. Connect the network cable tail to the house cabling through the 1" hole.</p> <p><b><i>When using an optional external power supply, the AC socket outlet shall be installed near the equipment and be easily accessible.</i></b></p>	
<p>6. Unscrew the hatch on the camera to insert an SD card if needed.</p>	
<p>7. Remove the dessicant packet from the sealed plastic envelope and position it inside the camera.</p>	
<p>8. Reassemble the camera, sleeve, and ring. Position the assembly onto the base and adjust the camera to the correct viewing angle.</p> <p><b><i>As you adjust the camera position, check it through the NVR Preview screen.</i></b></p>	
<p>9. When the viewing angle is correct, tighten the ring to the base.</p> <p><b><i>As you tighten the ring, keep adjusting the camera as needed.</i></b></p>	

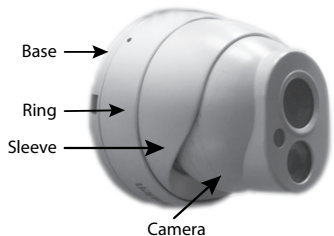
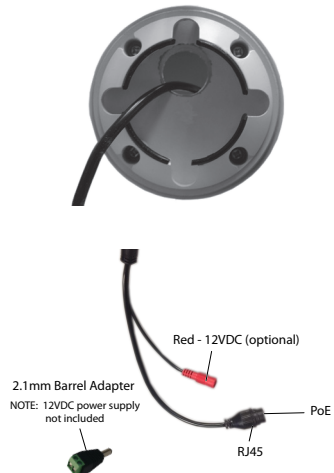
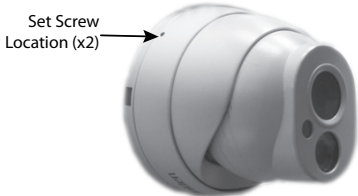
## INSTALL TURRET DOME CAMERA

### What's Included

- IP camera
- Mounting template sticker
- Star-tipped Allen wrench
- 2-wire to 2.1mm barrell plug for optional 12V DC power input
- Installation screws and anchors
- Dessicant package

### Install Camera

1. Remove the camera and installation items from the box. Verify that all parts are there.

<p>2. Hold the camera and sleeve steady and unscrew the ring from the base.</p>	
<p>3. Position the installation template sticker on the location (wall, ceiling, etc). Drill a 1" hole as indicated on the sticker. Install the anchors.</p>	
<p>4. Position the base on the template, aligning the screw holes to the anchors, and screw it into position.</p>	
<p>5. Connect the network cable tail to the house cabling through the 1" hole.</p> <p><b><i>When using an optional external power supply, the AC socket outlet shall be installed near the equipment and be easily accessible.</i></b></p>	
<p>6. Reassemble the camera unit. Remove the dessicant packet from the sealed plastic envelope and position it inside the camera unit.</p>	
<p>7. Screw the camera unit to the base securely enough to adjust the camera position. Double check the position through the NVR Preview screen.</p> <p><b><i>Use an oil-free soft brush or blow gently into the camera dome to clear any dust or dirt.</i></b></p>	
<p>8. Tighten the ring to the base. Insert the set screws to lock the camera into position.</p>	

## INSTALL LARGE BULLET CAMERAS

### What's Included

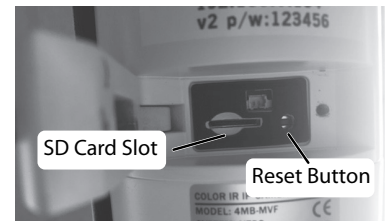
- IP camera
- Mounting template sticker
- Camera-specific Allen wrench
- 2-wire to 2.1mm barrell plug for optional 12V DC power input
- Installation screws and anchors
- Dessicant package

- Rubber plug (grommet) to seal network cable hole

## Install Camera

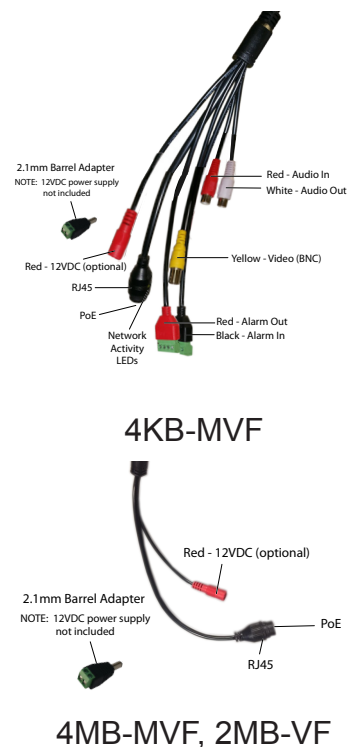
1. Remove the camera and installation items from the box. Verify that all parts are there.
2. Position the installation template at the location (wall, ceiling, etc). Drill a 1" hole as indicated on the sticker and install the anchors provided.

3. If your bullet camera is equipped with an SD slot, insert an SD card now before you install the camera. Unscrew the rectangular hinged panel and insert the SD card.

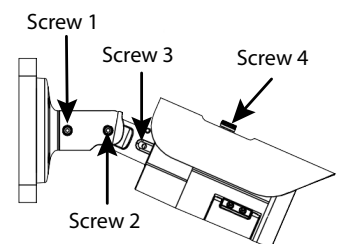


4. Thread the network cable tail through the grommet and connect it to the house cabling through the 1" hole. Plug the grommet into the hole. Using the screws provided, screw the camera base into position.

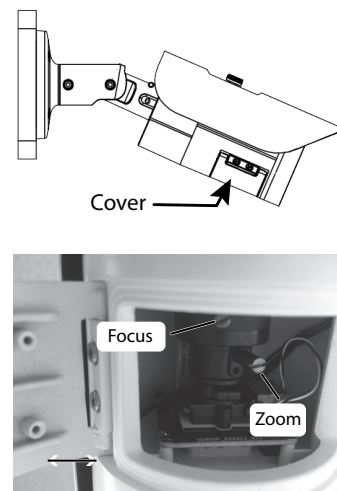
***When using an optional external power supply, the AC socket outlet shall be installed near the equipment and be easily accessible.***



5. Loosen screw 1 to rotate the camera and stand up to 360°. Loosen screw 2 to adjust the camera body up to 90° and screw 3 to fine tune the camera position up to 90°. Loosen Screw 4 to adjust the sun shade. Check the camera's position through the NVR Preview screen as you adjust the camera.



6. Unscrew the access cover and swing it open. Unscrew the adjustment levers just enough to move them and adjust the image. Check the camera view through the NVR Preview screen.
  - Zoom - Move lever to the left for Telephoto (zoom in) and to the right for Fish-Eye (zoom out).
  - Focus - Move lever to left and right to adjust focus.
7. Tighten the adjustment lever screws when complete and close the compartment.



## INSTALL SMALL BULLET CAMERAS

### What's Included

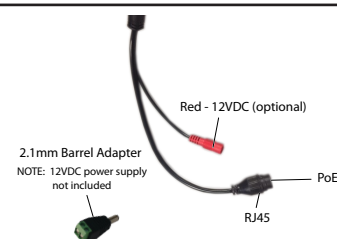
- IP camera
- Mounting template sticker
- Camera-specific Allen wrench
- 2-wire to 2.1mm barrel plug for optional 12V DC power input
- Installation screws and anchors
- Dessicant package
- Rubber plug (grommet) to seal network cable hole

### Install Camera

1. Remove the camera and installation items from the box. Verify that all parts are there.
2. Position the installation template at the location (wall, ceiling, etc). Drill a 1" hole as indicated on the sticker and install the anchors provided.

3. Thread the network cable tail through the grommet and connect it to the house cabling through the 1" hole. Plug the grommet into the hole. Using the screws provided, screw the camera base into position.

***When using an optional external power supply, the AC socket outlet shall be installed near the equipment and be easily accessible.***



4. Loosen screw 1 to rotate the camera and stand up to 360°. Loosen screw 2 to adjust the camera body up to 90° and screw 3 to fine tune the camera position up to 90°. Check the camera's position through the NVR Preview screen as you adjust the camera.

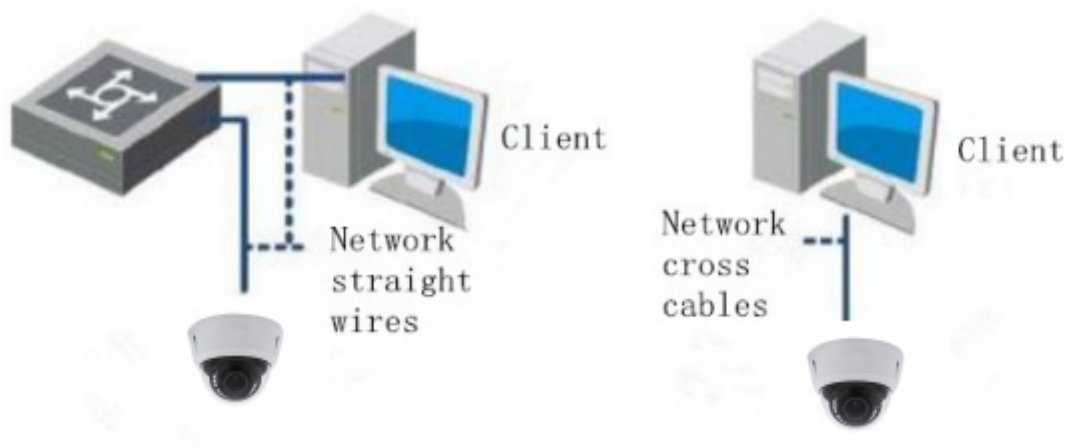


5. Once positioned, tighten all screws to secure.

## CONNECTING THROUGH PC

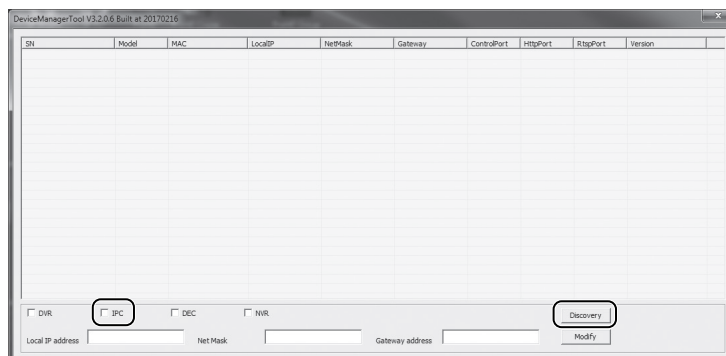
Running the DeviceManager tool on your PC lets you easily identify cameras' IP addresses, Subnet Masks, and Gateways. Use this information to view and configure cameras through the browser.

From Internet Explorer, go to [support.uniden.com/pro-support](http://support.uniden.com/pro-support) and select VMS & CMS. From the Video Management System screen, select Download VMS to download the plugin.



## USING DEVICEMANAGER TOOL

1. Open DeviceManager. The main Device Manager screen displays.
2. Check IPC, then select Discover. A list of IP cameras on the network displays.



DeviceManager - IP Search Option

The screenshot shows the DeviceManagerTool V3.2.0.6 interface with a list of discovered IP cameras. The 'IPC' checkbox is checked. The table below lists the discovered cameras with their SN, Model, MAC, LocalIP, NetMask, Gateway, ControlPort, HttpPort, RtpPort, and Version.

SN	Model	MAC	LocalIP	NetMask	Gateway	ControlPort	HttpPort	RtpPort	Version
0281012307232a9b417	IPC-4PP	00:23:3c:af:b4:17	172.20.25.201	255.255.255.0	172.20.25.1	8080	80	554	V4.0 build 2017-11-18
02810123150457177F	IPC-4PP	7c:81:a9:f7:17:7F	172.20.25.205	255.255.255.0	172.20.25.1	8080	80	554	V3.0 build 2017-01-19
02810123a41f5d5ac5	IPC-4PP	e4:31:f0:dc:5ac:5	172.20.25.203	255.255.255.0	172.20.25.1	8080	80	554	V3.0 build 2017-01-19
02810123754ed638ba	IPC-4PP	00:1e:c6:e6:38:ba	172.20.25.202	255.255.255.0	172.20.25.1	8080	80	554	V4.0 build 2017-12-15
02810123d83d798bf30	IPC-4PP	dc:3d:79:8b:f1:30	172.20.25.204	255.255.255.0	172.20.25.1	8080	80	554	V3.0 build 2017-01-19
9137000000000000	IPC-FULL HD	fe:fc:a0:93:17:00	172.20.25.208	255.255.255.0	192.168.1.1	8080	80	554	V3.12 build 2017-06-
02640123f9802caf794	IPC-4PP	8c:02:ca:f7:94	172.20.25.207	255.255.255.0	172.20.25.1	8080	80	554	V3.0 build 2017-05-04
02810123957c39492506	IPC-4PP	94:7e:59:49:25:06	172.20.25.206	255.255.255.0	172.20.25.1	8080	80	554	V3.0 build 2017-01-19

DeviceManager - IP Cameras Discovered

**NOTE: This tool can also modify IP addresses when setting a network camera IP address with the device IP address and computer IP address in the same net.**

## WEB ACCESS

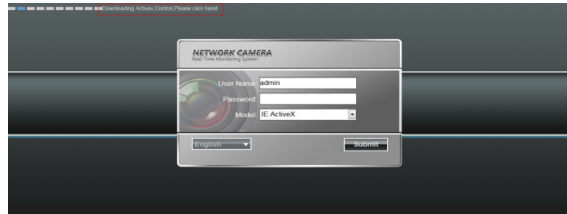
1. Input the network camera IP address in the browser address bar to log in. A pop-up browser control installation message automatically displays. Click to download and install. The following description uses Internet Explorer as example.

Network camera factory initial information is:

- . . . IP address: 192.168.1.188
- . . . http port: 80
- . . . Manage user: admin



Install Plugins

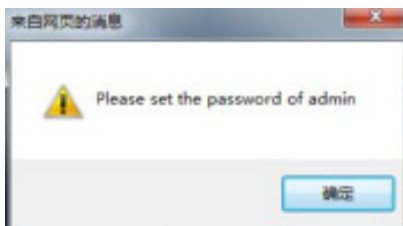


No Plugins

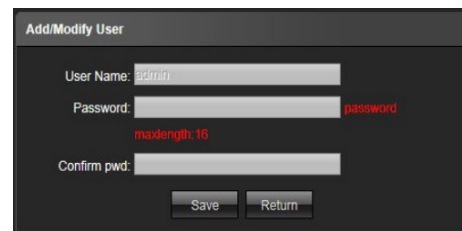
2. After installing the plugins, input the network camera IP address again; a login popup prompts you to set the password.

**NOTE: In order to improve network security, the network camera password needs to be 8 - 16 alphanumeric characters.**

**NOTE: Entering an incorrect password 3 times locks the camera for about 30 seconds.**



Set Password Request



Setting Password

3. After setting the password, enter the login interface. Input the network camera user name and password to log into the system.




Login Interface

**NOTE: If you have modified the initial IP address, please use the modified IP address to log into the network camera.**



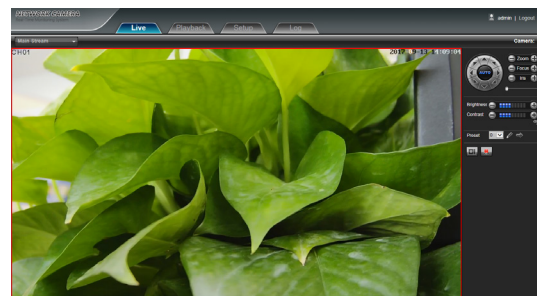
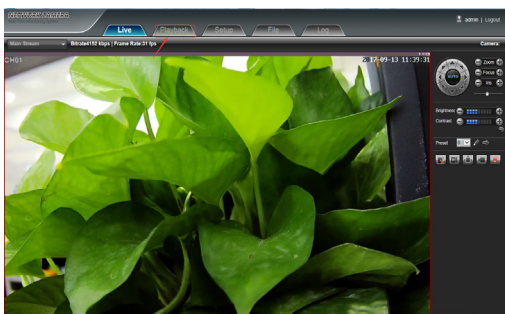
## Set Security Levels


**NOTE:** After installing the controls, if the pop-up login interface always reminds you to download and install the ActiveX control, try upgrading your IE browser to IE11 and reducing the IE security level.

1. Open the IE browser and select Tools/Internet Options/Security/Customized Level. Set the security level to Medium High (default) or Medium Low.
2. Select Tools/Internet Options/Security/Customized level.
  - Enable ActiveX controls and plugins.
  - Enable the marked as safe ActiveX-controlled execution scripts.
  - Initialize and execute the unmarked as safe ActiveX-controlled execution scripts.
  - Download unsigned ActiveX controls.
  - Download the signed ActiveX controls.
  - Run ActiveX controls and plugins.
3. When entering into the network camera main interface, you can click  on the top right corner to exit system safely.
4. On the network camera main interface, you can operate real-time preview, video playback, parameter configuration, file management, and log search.

**NOTE:** This fully functional interface is displayed when SD card is inserted into the device. If no SD card is inserted, a simple interface of the device includes real-time preview, parameter configuration, file management, and log search (except the video playback).

**NOTE:** Under no plugins mode, insert an SD card to display fully functional interface.




**NOTE :**When the device is motorized lens, zoom  is to adjust length of the focal length, focus  is to adjust the image resolution, iris  is to adjust the size of the iris.

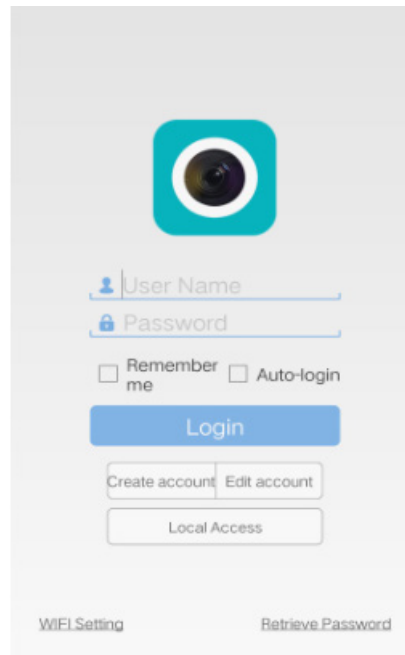
**NOTE:** If there are no image or interface displays issues after login, firstly clear the cache, unload controls, then install the new controls unload controls: close IE, enter Windows system contents, find the installation content (the default content is C: \ Program Files \ webactivex - rtsp or C: \ Program Files (x86) \ webactivex - rtsp) the related controls information in the folder, run unins000. Exe files, the system will automatically delete.

## UNIDEN PROSERIES MOBILEPHONE CLIENT

### SOFTWARE OPERATING

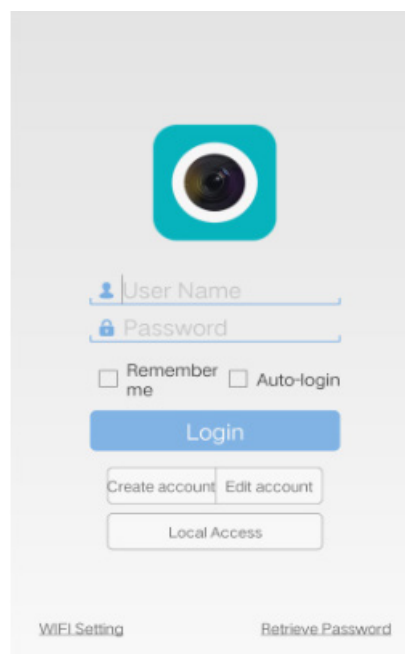
1. After install successfully, click software icon  on the mobile phone, then the software will be running and start procedure to enter into login interface.





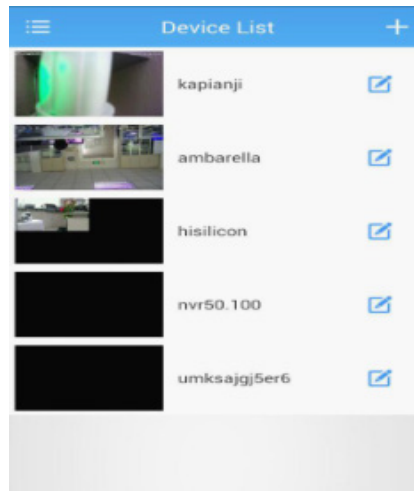
The login screen features a teal square icon with a white circle and a black dot in the center. Below the icon are two input fields: 'User Name' with a person icon and 'Password' with a lock icon. There are two checkboxes: 'Remember me' and 'Auto-login'. A blue 'Login' button is positioned below the checkboxes. Underneath the 'Login' button are two buttons: 'Create account' and 'Edit account'. At the bottom of the login section is a 'Local Access' button. At the very bottom of the screen are two links: 'WiFi Setting' and 'Retrieve Password'.

FUNCTIONS	DESCRIPTION
Remove Login	Account login, device information can store in the cloud storage.
Remember Password	The app remembers the current account password.
Password modification	Modifies the registered user password.
Local Login	Can directly login without account; device stores the information in the phone.
User Register	The account is used for storing customer information and related device list in the cloud storage.
User Name	User Name



This is a duplicate of the login screen described above. It features a teal square icon with a white circle and a black dot in the center. Below the icon are two input fields: 'User Name' with a person icon and 'Password' with a lock icon. There are two checkboxes: 'Remember me' and 'Auto-login'. A blue 'Login' button is positioned below the checkboxes. Underneath the 'Login' button are two buttons: 'Create account' and 'Edit account'. At the bottom of the login section is a 'Local Access' button. At the very bottom of the screen are two links: 'WiFi Setting' and 'Retrieve Password'.

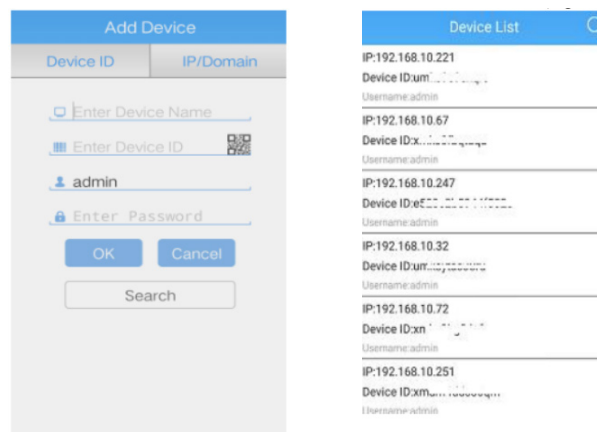
1. Log in with a registered user name/password. Enter the Device List management interface.



ICON	FUNCTION INTRODUCTION
	Return to main menu.
	Add device.
	Device; click to play all channels.

### Add device

1. Click Add icon in the upper right corner to display the Add Device interface.
2. Manually add a device's connection parameters; select the Search button to search and add devices in the LAN.




Add Device

Contact List

- Connection mode: There are two methods to create serial number and IP/Domain direct connections. The cloud method connects a device via serial number; the IP/Domain method is to connect device via traditional IP address or dynamic domain name and port. Adopt serial number to add device for default; click upper IP/Domain to switch IP/Domain method .

**Note:** When selecting IP/Domain mode to add device, if it fills the intranet IP address in the IP item eg: begin with 192.168.\*, it can only connect the preview in LAN, it will fail

**to connect the preview while using the outer net. Need to connect monitor through the network, and must use the serial number or domain name to add device)**

- Name: The monitoring device name. This user-created identifier identifies a device's location and according to the place name. It displays under the device icon and shows on the title during video playback.
  - Serial number: Device cloud connects to the only serial number, which can be obtained via searching the LAN. Click the QR code icon  on the right side to scan the network's input QR code in the Web client display. The device directly scans Query Device ID QR code when using Uniden's mobile phone client.
  - User name: The user name of front-end device; default = admin.
  - Password: Password of front-end matches with its user name; default = blank.
3. After completing settings, click Confirm. The system automatically pre-connects to check whether device information validity. If it is correct, it automatically returns to the Device list. If incorrect, it will display an error message that you have to confirm and add again.

## SPECIFICATIONS

### TAMPER-PROOF DOME CAMERAS

	4KTPD-MVF	4MTPD-MVF	4MTPD-2.8	2MTPD-VF
GENERAL				
IR Distance	100' Night Vision (12 IR LEDs)			
Protection Grade	IPX0/IK10	IPX0/IK09		IPX0
Power	PoE/12VDC (optional)			
Power Jack	2.1mm Power Jack for optional 12VDC input			
Power Consumption	<9W	<8W		
Operating Temp	-4°F~104°F (-15.5°C~40°C)			
Operating Humidity	0% - 90%			
Dimensions (inch)	4.61 (L) x 4.61 (W) x 3.39 (H)			
CAMERA				
Sensor	1/2.5" 8MP progressive scan CMOS	1/3" 4MP progressive scan CMOS		1/2.9" SONY 2.07 MP Progressive scan Exmor CMOS
Max. Resolution	3840 x 2160	2592 x 1520		1920 x 1080
Min. Illumination	0Lux/F1.4 (IR on)			
Lens	3.0 - 10mm motorized lens	2.8 - 12mm motorized lens	2.8mm Fixed	2.8-12mm Varifocal
Electronic Shutter	Auto/Manual (1/25~1/10000), FLK			

	4KTPD-MVF	4MTPD-MVF	4MTPD-2.8	2MTPD-VF
R/N Ratio	-----	≥35db (AGC OFF)		≥50db (AGC OFF)
Analog Video Output	/	/	1CH 1.0Vp-p complex video output	
Output Model	PAL/NTSC adjustable			

## MINI AND EYEBALL DOME CAMERAS

	4MMD-2.8 (MINI DOME)	2MMD-2.8 (MINI DOME)	4MED-3.6 (EYEBALL DOME)	2MED-3.6 (EYEBALL DOME)
<b>GENERAL</b>				
IR Distance	30' Night Vision (6 IR LEDs)		100' Night Vision (2 IR array LEDs)	100' Night Vision (36x5 IR LEDs)
Protection Grade	IPX0, IK10		IPX0	IPX0
Power	PoE/12VDC (optional)			
Power Jack	2.1mm Power Jack for optional 12VDC input			
Power Consumption	<8W	<6W	<8W	<7W
Operating Temp	-4°F~104°F (-15.5°C~40°C)			-14°F~104°F (-15.5°C~40°C)
Operating Humidity	0% - 90%			
Dimensions (inch)	4.61 (L) x 4.61 (W) x 3.39 (H)	4.61 (L) x 4.61 (W) x 2.6 (H)	4.72 (L) x 4.72 (W) x 3.87 (H)	4.72 (L) x 4.72 (W) x 3.87 (H)
<b>CAMERA</b>				
Image Sensor	1/3" 4MP progressive scan CMOS			1/2.9" SONY 2.07 MP Progressive scan Exmor CMOS
Effective Pixels	-----	2MP		2MP
Max. Resolution	1920 x 1080	1920 x 1080	2592 x 1520	1920 x 1080
Min. Illumination	0Lux/F1.4 (IR on) Color: 0.5Lux/F1.4, B/W:0.2Lux/F1.4			
Lens	2.8mm lens		3.6mm	3.6mm ICR lens
Electronic Shutter	Auto/Manual (1/25~1/10000), FLK			
R/N Ratio	≥35db (AGC OFF)	≥50db (AGC OFF)	≥35db (AGC OFF)	≥50db (AGC OFF)
Video Output	1CH 1.0Vp-p complex video output		/	1CH 1.0Vp-p complex video output
Output Model	PAL/NTSC adjustable			

## TURRET DOME AND LARGE BULLET CAMERAS

	2MTD-2.8 (TURRET DOME)	4KB-MVF (LARGE BULLET)	4MB-MVF (LARGE BULLET)	2MB-VF (LARGE BULLET)
GENERAL				
IR Distance	30-50' Night Vision (1x Array IR LEDs)	131-165' Night Vision (3xArray IR LEDs)	130-165' Night Vision (IR Array LEDs)	130-165' Night Vision 3xIR-III LEDs)
Protection Grade	/	IPX0		
Power	PoE with optional 12VDC			
Power Jack	2.1mm Power Jack for optional 12VDC input			
Power Consumption	<6W	<10W	<9W	
Operating Temp	-14°F~104°F (-15.5°C~40°C)		-4°F~104°F (-15.5°C~40°C)	
Operating Humidity	0% - 90%			
Dimensions (inch)	3.28 (L) x 3.28 (W) x 3.66 (H)	10.24 (L) x 3.07 (W) x 3.66 (H)		10.35 (L) x 3.66 (W) x 3.76 (H)
CAMERA				
Image Sensor	1/2.9" SONY 2.07 MP Progressive scan Exmor CMOS	1/2.5" 8MP Progressive scan CMOS	1/3" 4MP progressive scan CMOS	1/2.9" SONY 2.07 MP Progressive scan Exmor CMOS
Effective Pixels	2MP	-----	-----	2MP
Max. Resolution	1920 x 1080	3840 x 2160	4MP (2592x1520)	1920 x 1080
Min. Illumination	0Lux/F1.4 (IR ON) Color: 0.06Lux/ F1.4, B/W: 0.01Lux/F1.4	0Lux/F1.4 (IR on) Color: 0.1Lux/ F1.4, B/W: 0.5Lux/F1.4	0Lux/F1.4 (IR on) Color: 0.5Lux/ F1.4, B/W: 0.2Lux/F1.4	0Lux/F1.4 (IR on) Color: 0.06Lux/ F1.4, B/W: 0.01Lux/F1.4
Lens	2.8mm	3.0-10mm motorized lens	2.8-12mm motorized lens	2.8-12mm varifocal lens
Electronic Shutter	Auto/Manual (1/25~1/10000), FLK			
R/N Ratio	≥50db (AGC OFF)	-----	≥35db (AGC OFF)	≥50db (AGC OFF)
Output Model	PAL/NTSC adjustable			

## SMALL BULLET CAMERAS

	4MB-3.6 (SMALL BULLET)	2MB-3.6 SMALL BULLET
<b>GENERAL</b>		
IR Distance	100' Night Vision (30 x Ø5 IR LEDs)	
Protection Grade	IPX0	
Power	PoE for optional 12VDC	
Power Jack	2.1mm Power Jack for optional 12VDC input	
Power Consumption	<6W	
Operating Temp	-4°F~104°F (-15.5°C~40°C)	
Operating Humidity	0% - 90%	
Dimensions (inch)	2.6 (L) x 6.56 (W) x 2.6 (H)	6.56 (L) x 2.6 (W) x 2.6 (H) (compare to left)
<b>CAMERA</b>		
Image Sensor	1/3" 4MP progressive scan MOS	1/2.9" SONY 2.07 MP Progressive scan Exmor CMOS
Max. Resolution	4MP (2592 x 1520)	1920 x 1080
Min. Illumination	0Lux/F1.4 (IR on) Color: 0.5Lux/F1.4, B/W: 0.2Lux/F1.4	0Lux/F1.4 (IR ON) Color: 0.06Lux/F1.4, B/W: 0.01Lux/F1.4
Lens	3.6mm	
Electronic Shutter	Auto/Manual (1/25~1/10000), FLK	
R/N Ratio	≥35db (AGC OFF)	≥50db (AGC OFF)
Output Model	PAL/NTSC adjustable	

## COMPLIANCE

### FCC PART 15

The equipment has been tested and found to comply with the limits for a Class B device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment. Any change or modification must be approved in writing by Uniden.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Tout changement ou modification non approuvé expressément par la partie responsable pourrait annuler le droit à l'utilisateur de faire fonctionner cet équipement. Tout changement ou modification doit être approuvé par écrit par Uniden.

Avis de conformité à la FCC : Ce dispositif a été testé et s'avère conforme à l'article 15 des règlements de la Commission fédérale des communications (FCC). Ce dispositif est soumis aux conditions suivantes: 1) Ce dispositif ne doit pas causer d'interférences nuisibles et; 2) Il doit pouvoir supporter les parasites qu'il reçoit, incluant les parasites pouvant nuire à son fonctionnement.

In order to comply with FCC RF Exposure requirements, this device must be installed to provide at least 7.9 in (20 cm) separation from the human body at all times.

## IC

This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux normes CNR d'Industrie Canada destinés aux appareils radio exempts de licence. Son fonctionnement est soumis aux deux conditions suivantes :

- 1) Cet appareil ne doit pas causer d'interférences nuisibles et;
- 2) Il doit pouvoir accepter les interférences, incluant celles pouvant nuire à son fonctionnement normal.

In order to comply with FCC/ISED RF Exposure requirements, this device must be installed to provide at least 7.9 in. (20 cm) separation from the human body at all times.

Afin de se conformer aux exigences d'exposition RF FCC/ISED, ce dispositif doit être installé pour assurer une séparation d'au moins 20 cm du corps humain à tout moment.

## THREE-YEAR LIMITED WARRANTY

**Important: SAVE YOUR RECEIPT! Evidence of original purchase is required for warranty service.**

WARRANTOR: Uniden America Corporation ("Uniden") ELEMENTS OF WARRANTY: Uniden warrants, for three years, to the original retail owner, this Uniden Product to be free from defects in materials & craftsmanship with only the limitations or exclusions set out below.

WARRANTY DURATION: This warranty to the original user shall terminate & be of no further effect 36 months after the date of original retail sale. The warranty is invalid if the Product is (A) damaged or not maintained as reasonable or necessary, (B) modified, altered, or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden, (C) improperly installed, (D) serviced or repaired

by someone other than an authorized Uniden service center for a defect or malfunction covered by this warranty, (E) used in any conjunction with equipment or parts or as part of any system not manufactured by Uniden, or (F) installed or programmed by anyone other than as detailed by the owner's manual for this product.

STATEMENT OF REMEDY: In the event that the product does not conform to this warranty at any time while this warranty is in effect, warrantor will either, at its option, repair or replace the defective unit & return it to you without charge for parts, service, or any other cost (except shipping & handling) incurred by warrantor or its representatives in connection with the performance of this warranty. Warrantor, at its option, may replace the unit with a new or refurbished unit.

THE LIMITED WARRANTY SET FORTH ABOVE IS THE SOLE & ENTIRE WARRANTY PERTAINING TO THE PRODUCT & IS IN LIEU OF & EXCLUDES ALL OTHER WARRANTIES OF ANY NATURE WHATSOEVER, WHETHER EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow this exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

LEGAL REMEDIES: This warranty gives you specific legal rights, & you may also have other rights which vary from state to state. This warranty is void outside the United States of America & Canada.

PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY: If, after following the instructions in the owner's manual you are certain that the Product is defective, pack the Product carefully (preferably in its original packaging). The Product should include all parts & accessories originally packaged with the Product. Include evidence of original purchase & a note describing the defect that has caused you to return it. The Product should be shipped freight prepaid, by traceable means, to warrantor at:

Uniden America Service  
C/O Saddle Creek  
743 Henrietta Creek Rd., Suite 100  
Roanoke, TX 76026