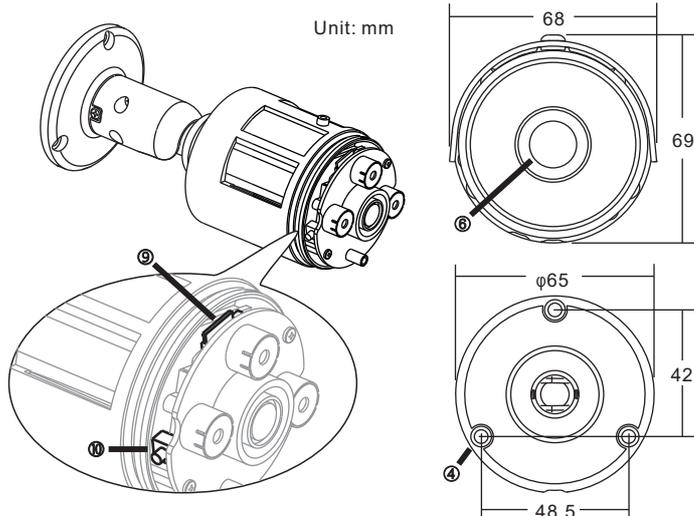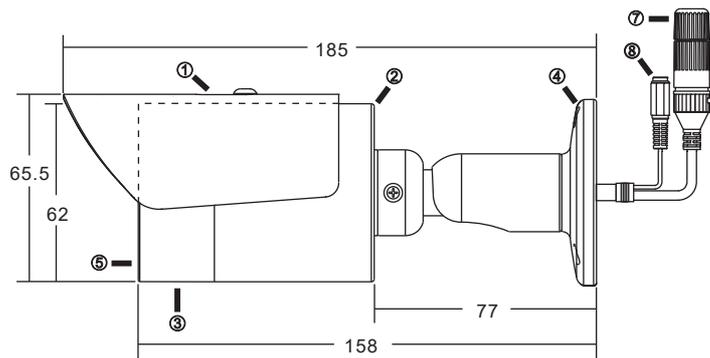# Outdoor IP Bullet Camera

## *Instruction Manual*

Part Description & Dimensions

Unit: mm

① Sun shield
② Main body
③ Front cover
④ Bracket base
⑤ Windows
⑥ Lens
⑦ RJ-45 Ethernet connector (supports PoE)
⑧ DC Power input jack (DC12V ±10%)
⑨ MicroSD card slot (size limit: 32 GB)
⑩ Reset key

Installation

1. Remove the camera from the box first. Connect the power cable and video cable to the video output jack and DC power input jack (FIG.1), and then secure the camera to the wall (FIG.2).

FIG. 1
FIG. 2
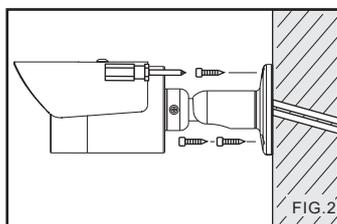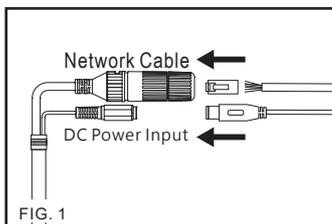
- Connect the RJ-45 Ethernet cable with a waterproof connector
  First, remove the waterproof connector and unscrew the waterproof nut. Insert the Ethernet cable and connect to the RJ-45 connector with proper tools (FIG.3). Then, tighten the waterproof connector and nut before the RJ-45 connector is connected to the camera (FIG.4).
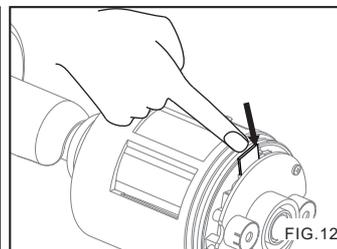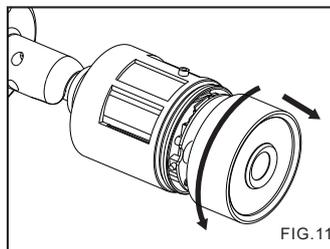

FIG. 3
FIG. 4
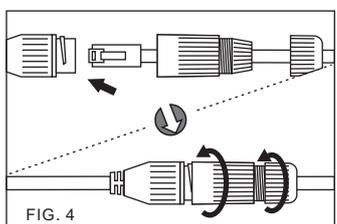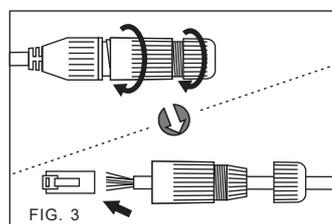
2. Adjust the five adjustment screws to move the camera to the desired angle, and then tighten the adjustment screws (FIG. 5 - FIG.10).

FIG.5
FIG.6
FIG.7
FIG.8
FIG.9
FIG.10
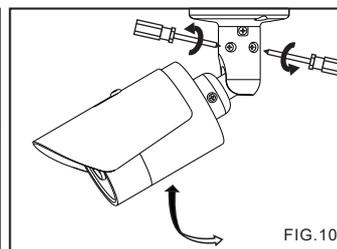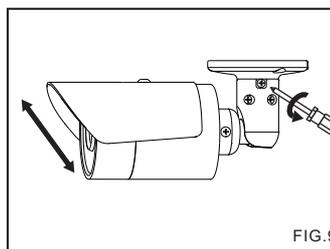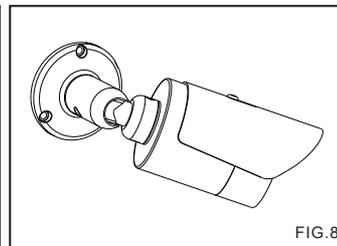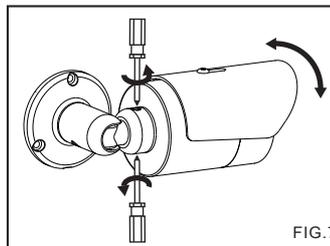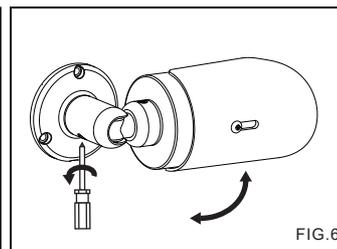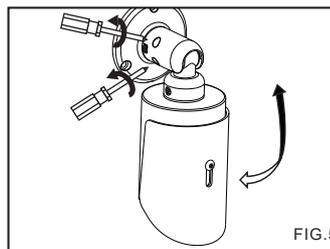
Inserting a MicroSD Card

Turn the front cover counterclockwise to remove it and insert a MicroSD card (FIG.11 & FIG.12).

FIG.11
FIG.12

System Architectures

To connect the IP Camera series to the network, please follow one of the system architectures:

(1). Use a DC12V power adapter and network switch connected to a network.

HD IP CAMERA
LAN
Non-PoE Switch
LAN / Internet
PC
DC12V Adapter
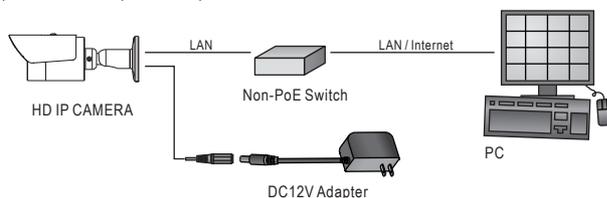
(2). Use with PoE from the PoE network switch.

HD IP CAMERA
LAN
PoE Switch
LAN / Internet
PC
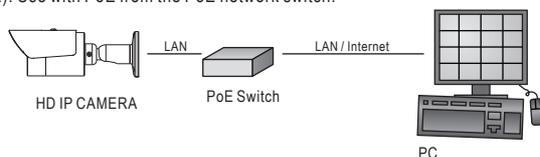
(3). Use a PoE power injector between the non-PoE network switch and the IP camera.

HD IP CAMERA
LAN
PoE Power Injector
AC
LAN
Non-PoE Switch
LAN / Internet
PC
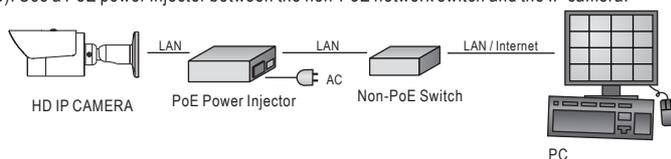
Restore Factory Defaults

To restore the hardware to factory default settings, please follow these steps:
1. Press and hold "Reset key" for 10 seconds and release.
2. The camera will be restored to factory default settings after approximately 90 seconds and will reboot automatically.
3. Search for the IP device using the IPScan software.
4. Start the IP device via an Internet browser.
5. Enter the default username "admin" and password "pass" to log in.

NOTE: The IP address mode will revert to DHCP.

Before Accessing IP Cameras

Before accessing the IP camera, make sure that the camera's RJ-45 network, audio, and power cables are properly connected. To set the IP address, consult your network administrator for an available IP address. The default IP address mode for each IP camera is DHCP. Users can use the assigned IP address to verify the camera's network connection.

Software Requirements

Universal ActiveX software components are required for online display of JPEG or H.264 Full HD video. When you login to the IP camera with Internet Explorer, a security warning dialog box will prompt the installation of the Universal ActiveX plug-in. Click **Install** to download it.

Configuring IP Addresses with IPScan Software

To configure an IP address using IPScan, download it from **pkdge.co/cameras**. To change the settings of the IP address, subnet mask, gateway, or HTTP port, follow the steps below:
1. Run the IPScan software.
2. Click **Refresh**. All available devices should be listed in the device list.
3. Select your device from the list provided.
4. Change the IP address, subnet mask, gateway, or HTTP port for the IP camera.
5. Click **Apply** to submit the settings.
6. Click **Refresh** to verify the settings.
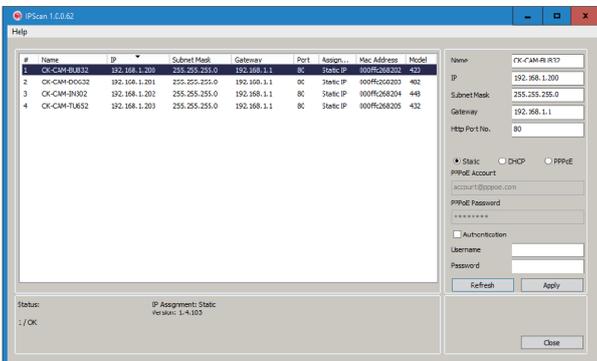
Configuring IP Addresses via a Web Interface

To change an IP address via a web interface, type the camera's assigned IP address in the Internet browser and follow the steps below:

1. Log in to the H.264 Full HD IP camera with the default username "admin" and default password "pass".
2. Click **Basic Mode**.
3. Click **Network > General**.
4. Change the IP address, subnet mask, gateway, or HTTP port for the IP camera.
5. Click **Submit** to apply the settings.

## Internet Browser Settings & Application Required

Make sure your Internet browser allows the signed ActiveX plug-in to work on your computer. To do this, open Internet Explorer and go to Tools-> Options-> Security Settings. Set "Download Signed ActiveX plug-in controls" to "Prompt" and "Run ActiveX control and plug-in" to "Enable".
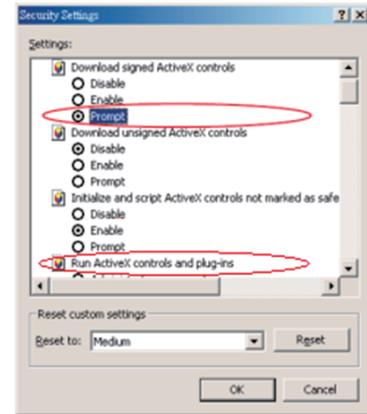
Once complete, you can access the IP camera's live video by entering the IP address via Internet Explorer. When the security warning dialog box appears, click **OK** to download the ActiveX plug-in directly from the IP camera.

Login

There are two levels of user authentication (admin and guest) that can access the IP camera. An administrator is authorized to reset basic mode settings and see live video, while a guest is only allowed to see live video.
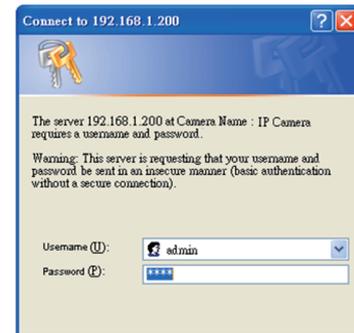
The default usernames and passwords are as follows:

	Administrator
Username	admin
Password	pass

To log on to the IP camera, please type the username and password on the login page and click **Submit** to enter the system.