# speco technologies

**Quick Start Guide**

**3MP VF Motorized Dome IP Camera**

**O3VFDM**

**Version 1.0.0**

# Welcome

Thank you for purchasing this Network camera!

This manual is designed to be a reference tool for your system.

Please read this manual carefully before operating the unit and retain it for future reference.

Should you require any technical assistance, please contact Speco Technologies Technical Support.

# Important Safeguards and Warnings

## 1．Electrical safety

All installation and operation here should conform to local electrical safety codes.

Use a certified/listed 12VDC Class 2 power supply only.

**Please note: Do not connect two power supplying sources to the device at the same time; it may result in device damage! The product must be grounded to reduce the risk of electric shock.**

Improper handling and/or installation could run the risk of fire or electrical shock.

## 2．Environment

Heavy stress, violent vibration or exposure to water is not allowed during transportation, storage and installation.

This product should be installed in a cool, dry place away from direct sunlight and heat sources.

Do not install the product in extreme temperature conditions.

Do not expose the camera to electromagnetic radiation. Otherwise it may result in CMOS sensor failure.

Do not block any ventilation openings.

Do not allow water and liquid intrusion into the camera.

## 3. Operation and Daily Maintenance

Please shut down the device and then unplug the power cable before you begin any maintenance work.

Do not touch the CMOS sensor optic component. You can use a blower to clean the dust on the lens surface.

Always use the dry soft cloth to clean the device.  If there is too much dust, use a cloth dampened with a small quantity of neutral detergent.  Finally use the dry cloth to clean the device.

Please use a professional optical cleaning method to clean the enclosure. Improper enclosure cleaning (such as using cloth) may result in poor IR functionality and/or IR reflection.

The grounding holes of the product are recommended to be grounded to further enhance the reliability of the camera.

Dome cover is an optical device, please don't touch or wipe cover surface directly during installation and use, please refer to the following methods if dirt is found:

Stained with dirt

Use oil-free soft brush or hair dryer to remove it gently.

Stained with grease or fingerprint

Use oil-free cotton cloth or paper soaked with alcohol or detergent to wipe from the lens center outward. Change the cloth and wipe several times if it is not clean enough.

## Warning

This camera should be installed by qualified personnel only.

All the examination and repair work should be done by qualified personnel.

Any unauthorized changes or modifications could void the warranty.

**Statement**

This guide is for reference only.

Product, manuals and specifications may be modified without prior notice.  Speco Technologies reserves the right to modify these without notice and without incurring any obligation.

Speco Technologies is not liable for any loss caused by improper operation.

**Note:**

Before installation, check the package and make sure that all components are included.

Contact your rep or Speco customer service department immediately if something is broken or missing in the package.

| Accessory Name | Amount |
|---|---|
| Network Camera Unit | 1 |
| Quick Start Guide | 1 |
| Installation Accessories Bag | 1 |
| CD | 1 |

# Table of Contents

# 1  Physical Specifications

## 1.1 Components

Note:

The following figure is for reference only, which is used to indicate the components and the functions.

Refer to the following figure for component structure. See Figure 1-1.
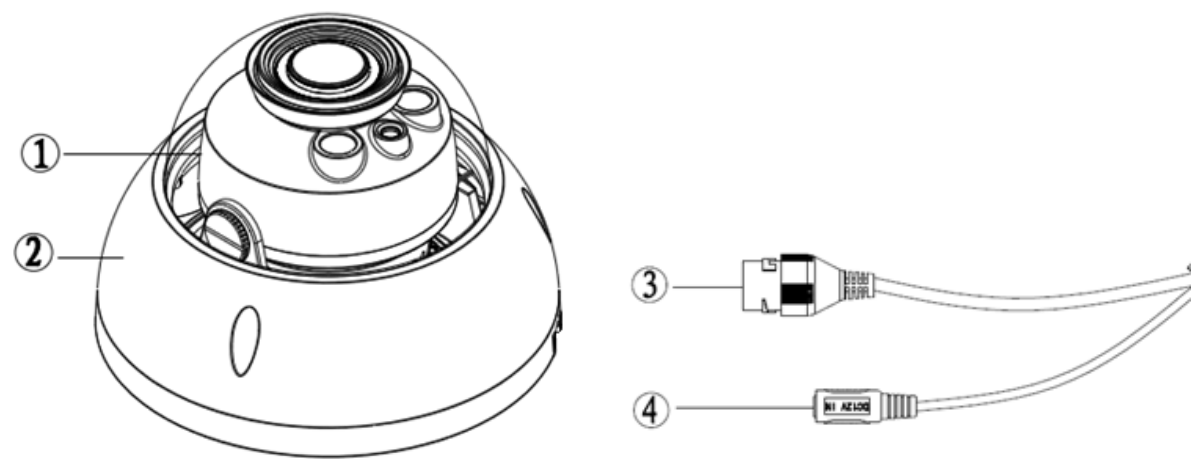


Figure 1-1 Component structure

Please refer to the following table for detailed information.

| Component | Component Name |
|---|---|
| Component 1 | Dome module |
| Component 2 | Dome enclosure |

| Port | Port Name | Note |
|---|---|---|
| Port 3 | Ethernet port | Network data in/out and PoE |
| Port 4 | DC power jack | Connect to DC 12V power, input power |

## 1.2 Dimensions

Please refer to the following figure for dimension information. The unit is in mm. See Figure1-2.
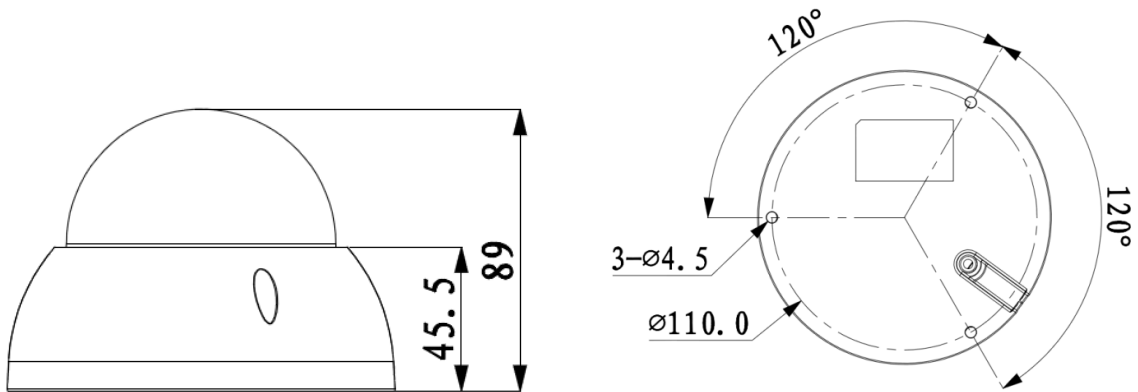


Figure 1-2 Dimensions

# 2 Device Installation

## 2.1 Installation Steps

**Note:**

● Before installation, please make sure the installation surface can support a minimum of 3 times the weight of the camera

● Please cut off the device power and turn off the device before installing Micro SD card.
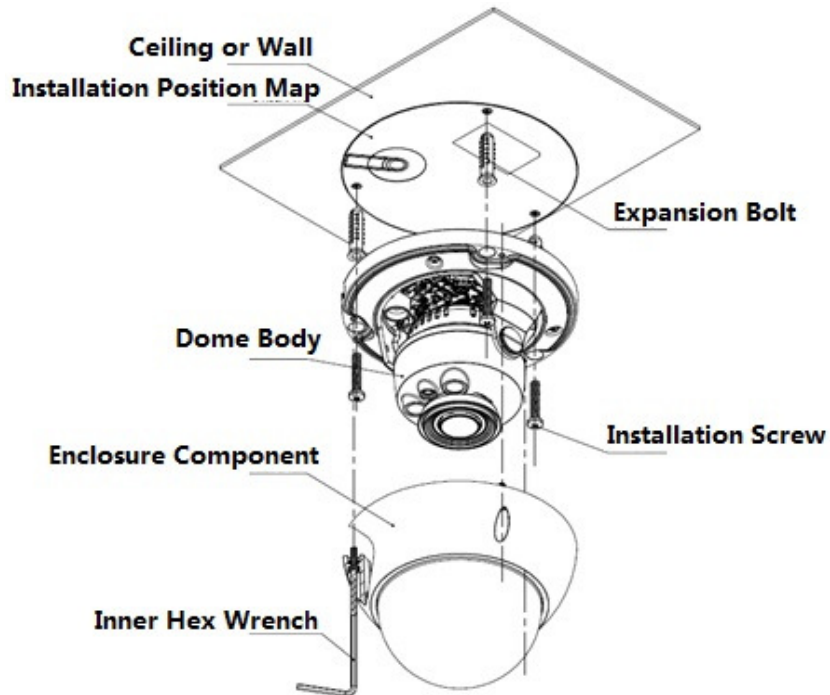


Figure 2-1 Motorized Varifocal Camera

**Step 1**

Use inner hex wrench in the accessories bag to open dome enclosure by unfastening three inner hex screws on the enclosure.
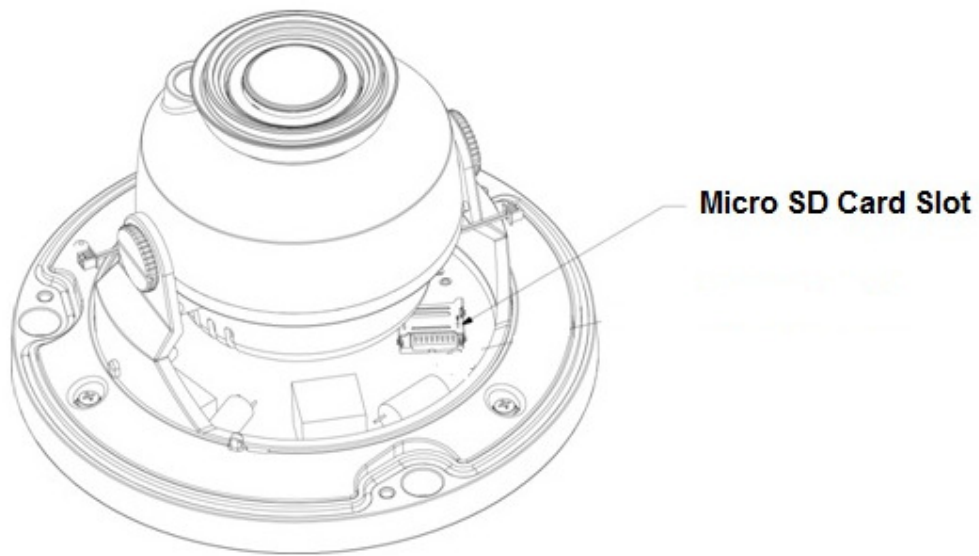
Figure 2-2

1. Find the micro SD card slot and open slot according to the direction shown in Figure 2-3.
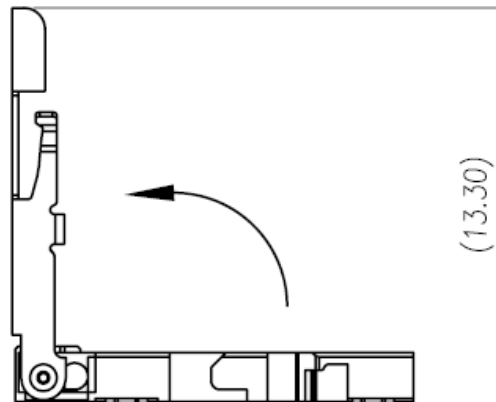


Figure 2-3

2. Adjust the direction of the micro SD card and install it into the slot.
3. Close the card slot and lock it firmly.

**Step 2**

1. Put installation template on the designated surface where you will install the device (wall or ceiling).
2. Drill holes according to position of the holes on the installation template and then insert the expansion bolts in the holes. Secure these three bolts firmly.
3. Adjust the device installation pedestal to the proper position and then pull cable through the exit hole on Installation surface. Make direction of TOP sign same as it is on the installation template. Line up the three screw holes in the device pedestal to the three plastic expansion bolt holes in the installation position. Put the three self-tapping screws in the three plastic expansion bolts firmly. Fix dome body on installation surface.

Note:

- If user pulls out cable from top of installation surface, you must dig an exit hole on installation surface according to the installation template.
- If user pulls out cable from side of cable channel, it must go through the U-shape channel on dome pedestal, and take out cable from the side exit hole on pedestal.

**Step 3**

Adjust device monitoring direction, which is shown in Figure 2-4.
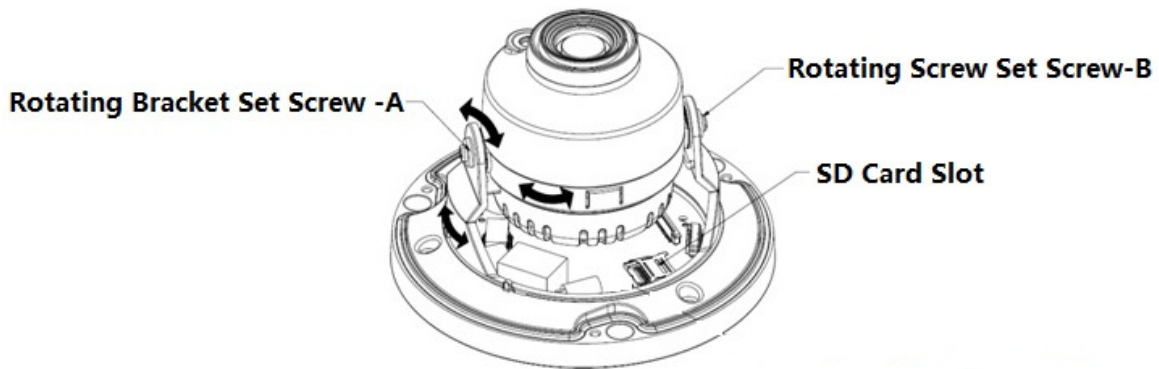


Figure 2-4

Hold both sides of the rotation bracket bottom with hands, rotate horizontally along the axis, and adjust lens horizontal direction to designated position. Hold the LED decoration cover with hand, rotate along the vertical direction, adjust the lens vertical direction to designated position; it is okay to loosen the fix screws on both sides of the bracket first if it is too tight to adjust (just make it loose, do not take it out), then adjust the lens, tighten the fix screws after adjustment. Hold the LED decoration cover with hands, rotate horizontally along the axis, and adjust the lens image to designated position. Range of lens: vertical (0°～+64°), horizontal (0°～+355°), image rotation direction (0°～+355°).

**Note:**

The motorized vari-focal series are equipped with motorized vari-focal lens by default, which needs no manual adjustment.

**Step 4**

Take up the dome enclosure, put it back on the camera properly regarding to screw and hole, and fasten the three inner hex screws with wrench.

**Note:**

Make sure the dome enclosure is secured tightly.

**Step 5**

Waterproof connector installation for network port; see Figure 2-5 for more details.
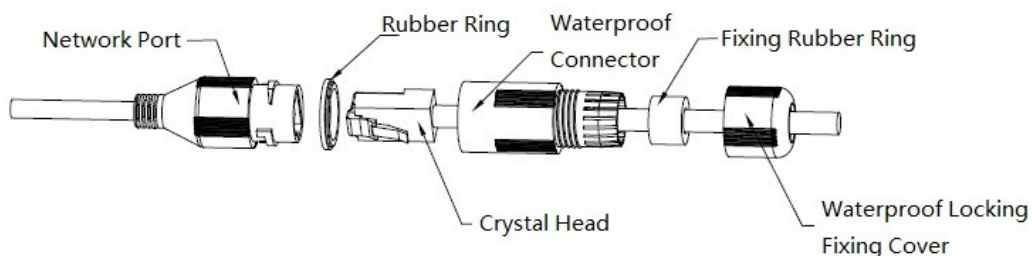


Figure 2-5

1. Keep the convex groove outward and install the rubber ring into the network port, keep the smaller hole of the rubber ring outward and install the fixing rubber ring into the main body of the waterproof connector.
2. Pull the network cable without crystal head through main body of waterproof connector, fixing rubber ring and waterproof locking cover, make the crystal head of network cable, and then insert it into the network cable.
3. Put the main body of waterproof connector on the network port and rotate it clockwise to lock the network port and waterproof connector firmly.
4. Put the waterproof locking cover on the main body of waterproof connector and rotate it clockwise to lock the waterproof connector and waterproof locking cover firmly.

# 3  IP Scanner

## 3.1 Overview

IP Scanner can search for the device on the local network.

Please note that only devices that are on the same subnet can be discovered.

## 3.2 Operation

Open up IP Scanner.

**Error! Reference source not found.**

In the device list, you can view the IP address, model number, and MAC address of each device. Select the applicable device and double click to open up the web viewer.

| Status | Name | IP Address | MAC Address | Version |
|---|---|---|---|---|
| Online | O2ID4M | 192.168.56.128 | 00:07:18:FF:03:73 | 1.0.57 |
| Online | O2D4 | 192.168.56.143 | 5C:F2:07:1C:28:CA | 1.0.53 |
| Online | VIP2PTZ12X | 192.168.56.157 | 00:07:D8:17:8A:68 | 1.3.7-X1_release |
| Online | VIP2D1M | 192.168.56.149 | 5C:F2:07:20:9D:AD | 2.5.0-T3_release |
| Online | O5MDP1 | 192.168.56.139 | 5C:F2:07:1C:3E:66 | 1.0.47 |
| Online | Eddie-O2DP8 | 192.168.56.104 | 5C:F2:07:1C:1F:74 | 1.0.47 |
| Online | O5MDP1 | 192.168.56.124 | 5C:F2:07:1C:23:D8 | 1.0.47 |
| Online | O2DP9 | 192.168.56.147 | 5C:F2:07:1C:74:16 | 1.0.54 |
| Online | OB1 | 192.168.56.105 | 5C:F2:07:1C:01:3B | |
| Online | OPTZ36XI | 192.168.56.140 | 5C:F2:07:1C:03:1D | |
| Online | n/a | 192.168.56.130 | 5C:F2:07:24:00:1A | 2236.0.0.1412190 |
| Online | n/a | 192.168.56.14 | 5C:F2:07:24:03:C2 | 2236.0.0.1409180 |
| Online | n/a | 192.168.56.12 | 5C:F2:07:24:51:2E | 2218.0.0.1409180 |
| Online | O2VLB2 | 192.168.56.146 | 4C:11:BF:8A:23:64 | |

Figure 3-1 IP Scanner

# 4 Web Operation

This device supports viewing and management via a web browser on a PC.

## 4.1 Login and Main Interface

Open the browser and input network camera address in the address bar or double click the device in IP Scanner. See Figure 4- 1.
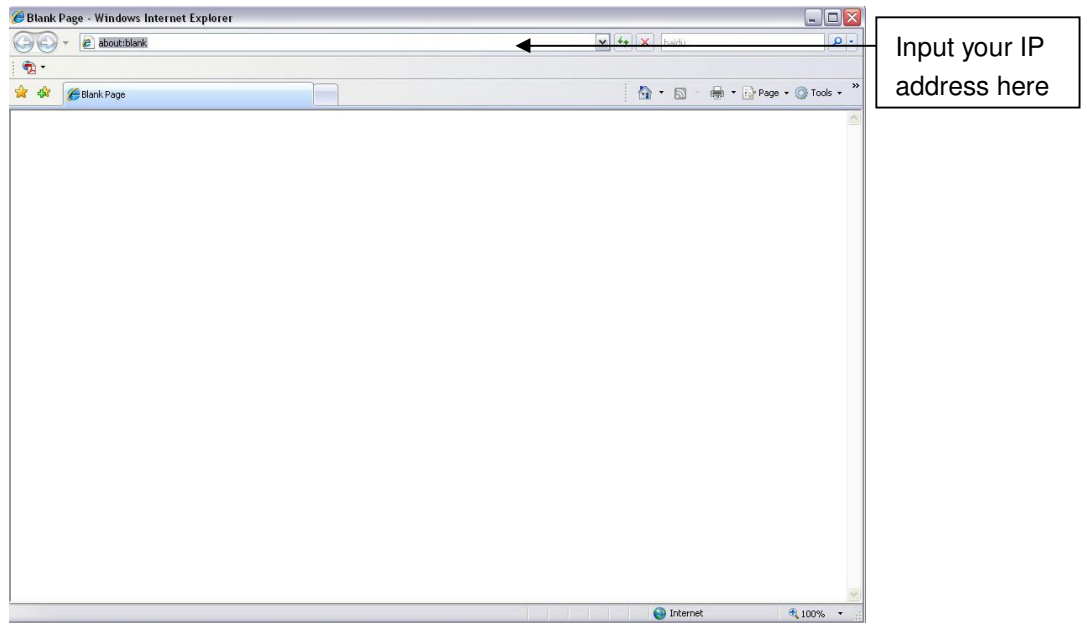


Figure 4- 1 IP address

The login interface is shown as below. See Figure 4- 2.
Please input your user name and password.
Default user name is **admin** and password is **1234**.
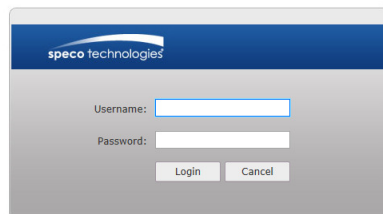**Note: For security purposes, please change the password after initial login.**



Figure 4- 2 Web login

After logging in, follow directions to install applicable plugins.