8MP IP IR Eyeball Camera with 2.8–12mm Auto Focus Lens and Facial Recognition

WIPX8EBVAF5

Quick Start Guide

Please read these instructions carefully before operating the unit and keep for further reference.

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Please read this instruction carefully before operating the product and keep it for further reference. All examples and pictures used here are for reference only.
The contents of this manual are subject to change without notice.

CAUTION:

- If the product does not work properly, please contact your dealer or the nearest service centre. Never attempt to disassemble the camera yourself. We shall not be responsible for any problems caused by unauthorised repair or maintenance.

- Do not allow water or liquid into the camera while in use.

- When using the product, you must be in strict compliance with the electrical safety regulations of the nation and region.

- When the product is mounted on wall or ceiling, the device needs to be firmly fixed.

- Make sure the power supply voltage is correct before using the camera.

- Do not drop the camera or subject it to any physical shock.

- If cleaning, please use a clean soft cloth with a little neutral detergent to wipe it gently.

- Do not aim the camera at the sun or in any area where there is bright lighting.

- The device may be burned out by a laser beam, so when any laser equipment is in use, make sure that the surface of the device will not be exposed to the laser beam.

- Do not place the camera in extremely hot, cold , dusty or damp locations, and do not expose it to high electromagnetic radiation.

- To avoid heat accumulation, good ventilation is required for operating environment.

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Contents

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1.0 Introduction

The Genie WIPX8EBVAF5 is an 8MP IP IR eyeball camera with a 2.8–12mm auto focus lens. The camera features intelligent analytics as well as facial recognition when paired with any Genie AI NVR.

1.1 Product Features

- Smart H.265/H.264 coding
- Maximum resolution: 8MP (3840 × 2160)
- ICR auto switch, true day / night vision
- 3D DNR, true WDR, HLC, BLC and ROI coding
- 30~50m IR night view distance, motorised zoom lens
- 1CH audio input, 1CH built-in MIC
- Built-in micro SD card slot, up to 256GB
- DC12V/PoE power supply
- Supports three streams
- IP67 ingress protection
- Intelligent analytics
- Supports mobile surveillance by smart phones with iOS and Android OS

1.2 Product Dimensions

99.6mm

111.5mm
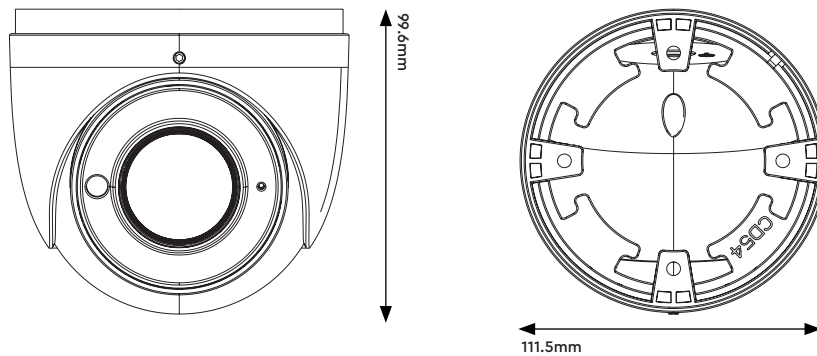
1.3 Contents

Camera
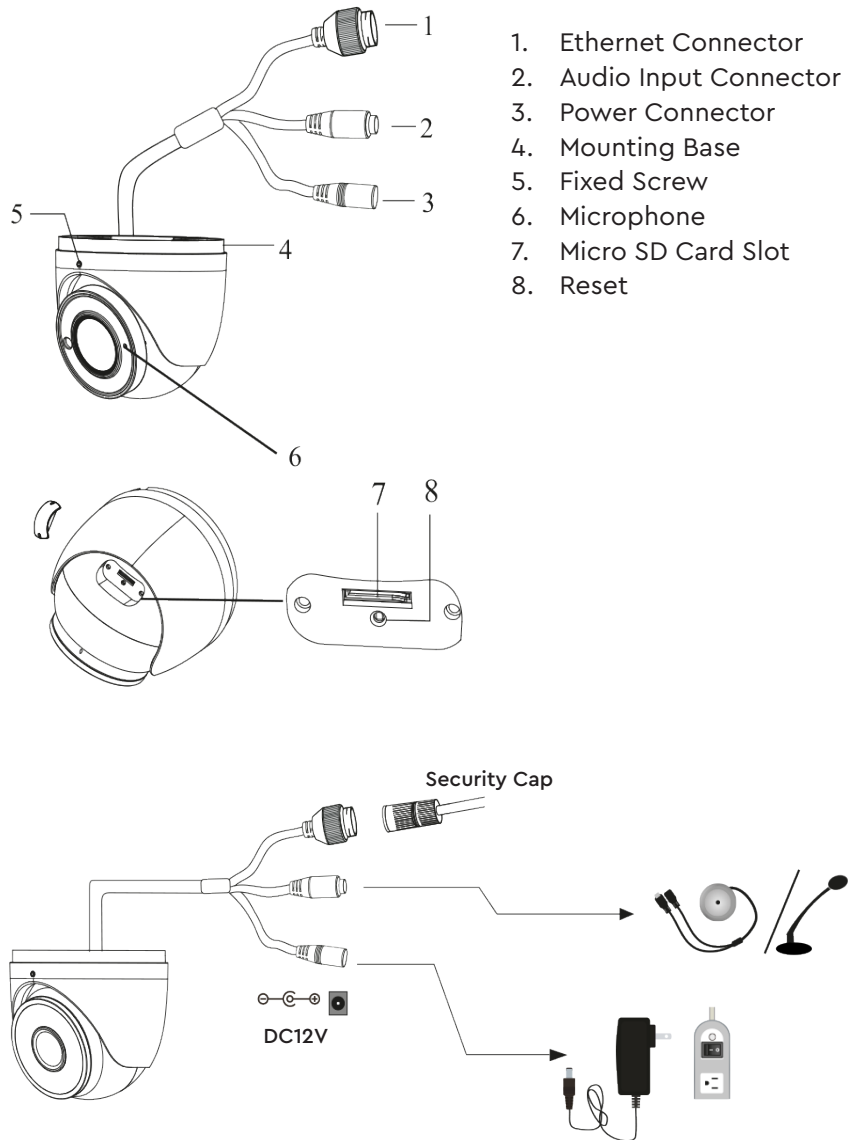
Quick Start Guide

Tapping Screw x4

L-Wrench

CD

Drill Template

Plastic Plug x4

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1.4 Specification

Camera	Image Sensor	1 / 2.8" CMOS
	Image Size	3840 × 2160
	Electronic Shutter	1 / 25 s ~ 1 / 100000 s
	Iris Type	DC Iris
	Minimum Illumination	0.01 Lux @ F1.2, AGC ON, 0 Lux with IR 0.015 Lux @ F1.4, AGC ON, 0 Lux with IR
	Lens	2.8~12mm @ F1.4, motorised
	Lens Mount	Φ14
	Field of View	Horizontal: 96°~32°, Vertical: 64°~18.4°, Diagonal: 103.8°~36.5°
	Day & Night	ICR
	Wide Dynamic Range	120dB
	BLC	Yes
	HLC	Yes
	Defog	Yes
	Digital NR	3D DNR
	Angle Adjustment	Pan: 0°~360°, Tilt:0°~80°, Rotation: 0°~360°
Image	Video Compression	Smart H.265, H.265+, H.265, Smart H.264, H.264+, H.264, MJPEG
	H.265 Compression Standard	Baseline Profile, Main Profile, High Profile
	Resolution	8MP (3840 × 2160), 6MP (3072 × 2048), 5MP (2592 × 1944), 4MP (2592 × 1520), 2K (2560 × 440), 3MP (2304 × 1296), 1080p (1920 × 1080), 720p (1280 × 720), D1, CIF, 480 × 240
	Main Stream	60Hz : 8MP, 6MP (1~20fps), 5MP, 4MP, 2K, 3MP, 1080p, 720p (1~30fps) 50Hz : 8MP, 6MP (1~20fps), 5MP, 4MP, 2K, 3MP, 1080p, 720p (1~25fps) HFR Mode: 1080p, 720p (60Hz: 1~60fps, 50Hz: 1~50fps)
	Sub Stream	720p, D1, CIF, 480 × 240 (60Hz: 1~30fps, 50Hz: 1~25fps)
	Third Stream	D1, CIF, 480 × 240 (60Hz: 1~30fps, 50Hz: 1~25fps)
	Bit Rate	64 Kbps ~ 12 Mbps
	Bit Rate Type	VBR / CBR
	Audio Compression	G711A / U
	Image Settings	ROI, Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Sharpen, NR, etc. Adjustable through client software or web browser.
	ROI	Each ROI to be configured separately.
Interface	Network	RJ45
	Video Output	No
	Audio	1CH audio input, 1CH built-in MIC
	Storage	Built-in micro SD card slot, up to 128GB
	Hardware Reset	Yes

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Functions	Remote Monitoring	Web browsing, CMS remote control
	Online Connection	Supports simultaneous monitoring for up to 10 users. Supports multi-stream real time transmission
	Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP, SNMP, 802.1x, UPnP, HTTPs, QoS
	Interface Protocol	Onvif compatible
	Intelligent Analytics	Line crossing
		Region entrance / exiting / intrusion (human / motor vehicle / non-motor vehicle classification)
		Line crossing human / motor vehicle /non-motor vehicle counting scene change
		Video blur and video colour cast detection
		Face recognition and face capture
	Storage	Network remote storage, Micro SD card storage
	Smart Alarm	Motion detection, SD card error, SD card full
	General Function	Watermark, IP address filtering, video mask, heartbeat, password protection, image distortion correction, etc.
	PoE	Yes (IEEE802.3af)
	IR Distance	30 ~ 50 m
Others	Ingress Protection	IP67
	Power Supply	DC12V / PoE
	Power Consumption	< 9.5W
	Operating Environment	- 30 °C ~ 60°C (-22°F~140°F), Humidity: Less than 95% (Non-condensing)
	Dimensions	111.5 × 99.6 mm
	Weight	Approximately 0.67Kg

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2.0 Overview

1. Ethernet Connector
2. Audio Input Connector
3. Power Connector
4. Mounting Base
5. Fixed Screw
6. Microphone
7. Micro SD Card Slot
8. Reset

Security Cap

DC12V

- It is recommended to install the security cap for outdoor installation.
- If the PoE switch is used to power the camera that supports PoE power supply, DC12V power supply is not required.

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Connecting Network Cable

① ② ③
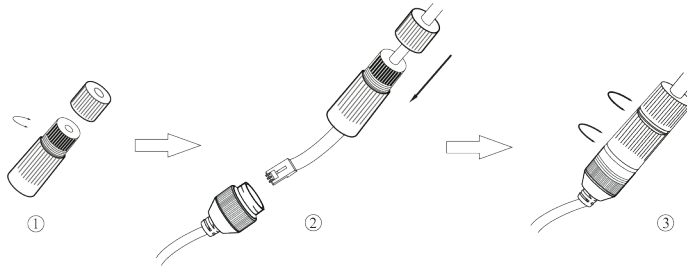
1. Loosen the nut from the main element.
2. Run the network cable (without RJ 45 connector) through both elements. Then crimp the cable with RJ 45 connector.
3. Connect the cable to the hermetic connector. Then tighten the nut and the main cover.

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Please make sure that the wall or ceiling is strong enough to withstand 3 times the weight of the camera. Please install the camera in and under a dry environment.
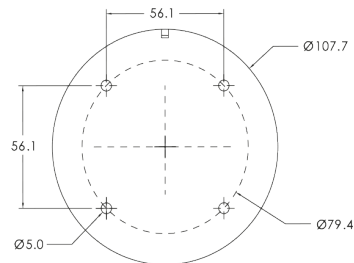
1. Loosen the fixed screw to disassemble the camera.

Fixed Screw — Mounting Base

Enclosure
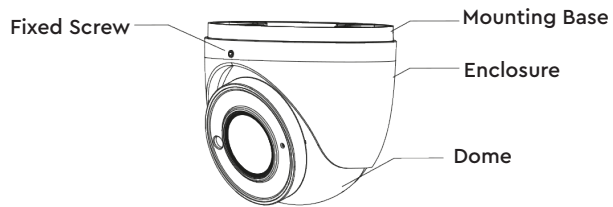
Dome

2. Open the cover of the dome and then insert a micro SD card.

Cover — Insert a Micro SD Card
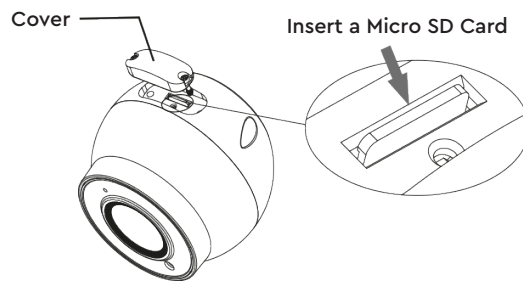
3. Drill the screw holes and the cable hole on the wall according to the drill template.

56.1

Ø107.7

56.1

Ø79.4

Ø5.0

4. Route and connect the cables. Then secure the mounting base to the ceiling or wall with the screws provided.
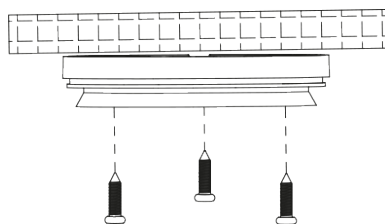
5.   Install the cover back to the camera and fix it with the screws firmly. Please note that the cover should not be installed unevenly.

6.   Install the dome and enclosure to the mounting base and then adjust the dome to obtain an optimum view angle. Finally, fix the camera with the fixed screw.
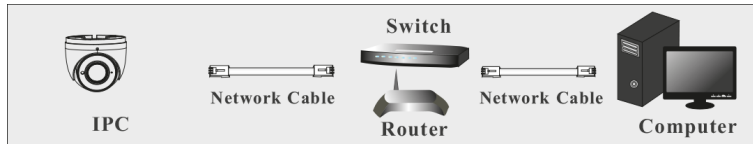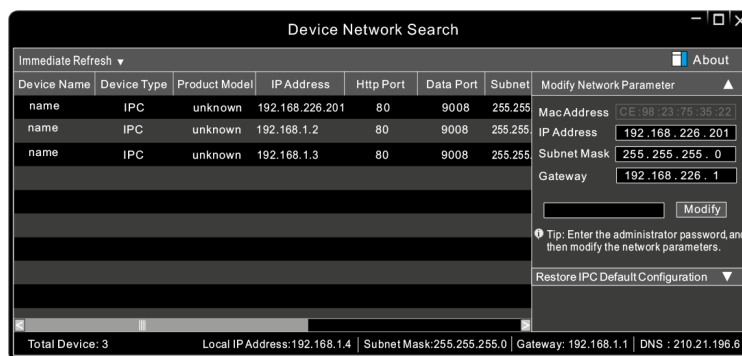
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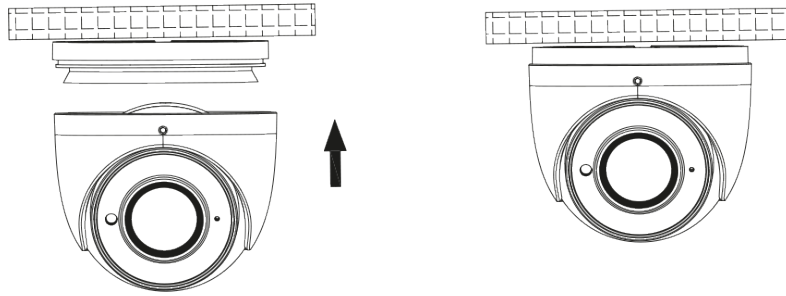
In LAN, there are two ways to access the camera:
1. Access Through IP-Tool
2. Direct Access Through Web Browser

Access the Camera through the IP Tool

1. Make sure that the camera and the PC are well connected via LAN.
2. Find the IP-Tool from the CD and then install it in the computer. After that, run the IP Tool as shown below.


3. Modify the IP address. The default IP address of this camera is 192.168.226.201. Click the information of the camera listed in the above table to show the network information on the right hand. Modify the IP address and gateway of the camera and make sure its network address is in the same local network segment as that of the computer. Please modify the IP address of your device according to the practical situation.
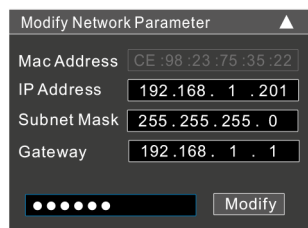
For example, the IP address of your computer is 192.168.1.4. So the IP address of the camera shall be changed to 192.168.1.X and the gateway shall be changed to 192.168.1.1. After modification, please enter the password of the administrator and click "Modify" button to modify the settings. The default password of the administrator is "123456".

4. Double-click the camera listed in the IP-Tool or manually enter the IP address in the address bar of the web browser to connect IP-CAM. Then follow directions to download and install the plugin. Enter the username and password in the login interface. The default username is admin; the default password is 123456.
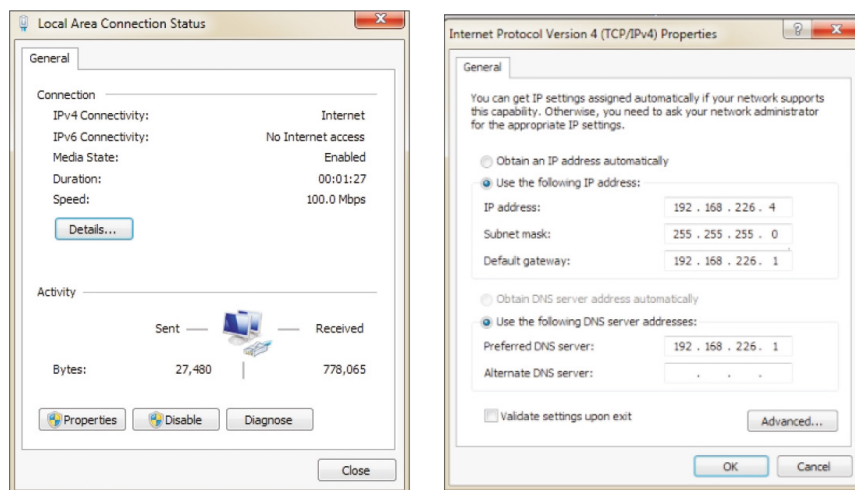
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Access the Web Browser
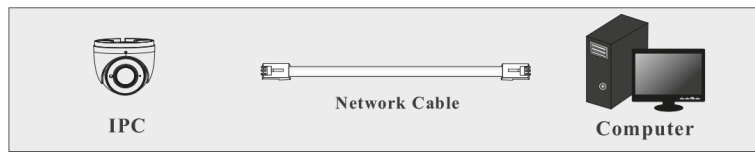
The default network settings are as shown below:
- IP address: 192.168.226.201
- HTTP:80
- Subnet Mask: 255.255.255.0
- Data Port:9008
- Gateway: 192.168.226.1

You may use the above default settings when you log in the camera for the first time.

1. Set the IP address of the PC and make sure the network segment should be as the same as the default settings of IP-CAM. Open the network and share center. Click "Local Area Connection" to pop up the following window. Select "Properties" and then select Internet protocol according to the actual situation (for example: IPv4). Next, click "Properties" button to set the network of the PC.

2. Open a browser and enter the default address of IP-CAM and confirm.
3. Download and run the plugin in the computer.
4. Enter the default username and password in the login interface to log in.

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