4MP H.265 IP IR Bullet Camera with 2.8–12mm Auto Focus Lens and Facial Recognition

WIPX4BVAF

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.
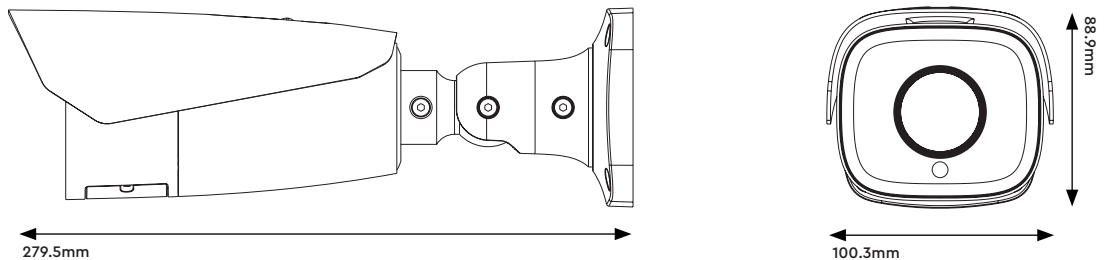
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Contents

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1.0 Introduction

The Genie WIPX4BVAF is a 4MP IP IR bullet 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.
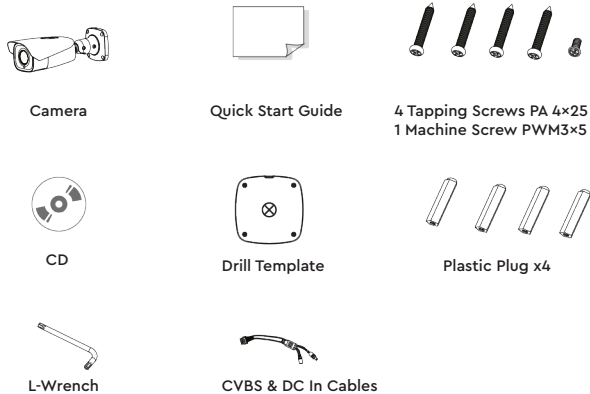
1.1 Product Features

- Maximum resolution: 2592 × 1520
- 50 ~ 70m IR night view distance
- 4MP (2592 × 1520) H.265 full real time coding
- 3D DNR, true WDR, HLC, BLC, Defog, Smart IR and ROI coding
- ICR auto switch, true day / night
- Built-in micro SD card slot, up to 128GB
- DC12V/PoE power supply
- Supports three streams
- Support remote monitoring by smart phones and tablet PC's with iOS and Android OS
- Intelligent analytics
- IP67 ingress protection
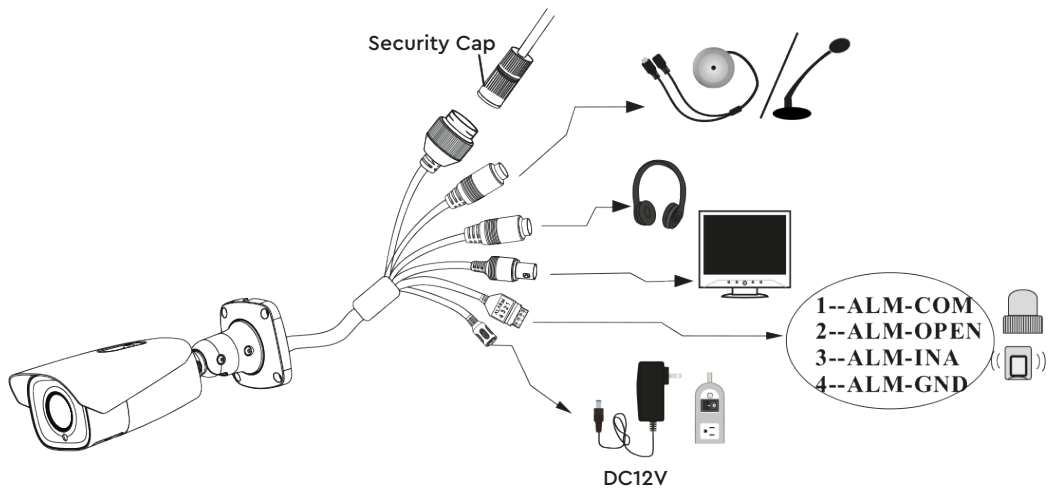- Onvif compliant

1.2 Product Dimensions

279.5mm
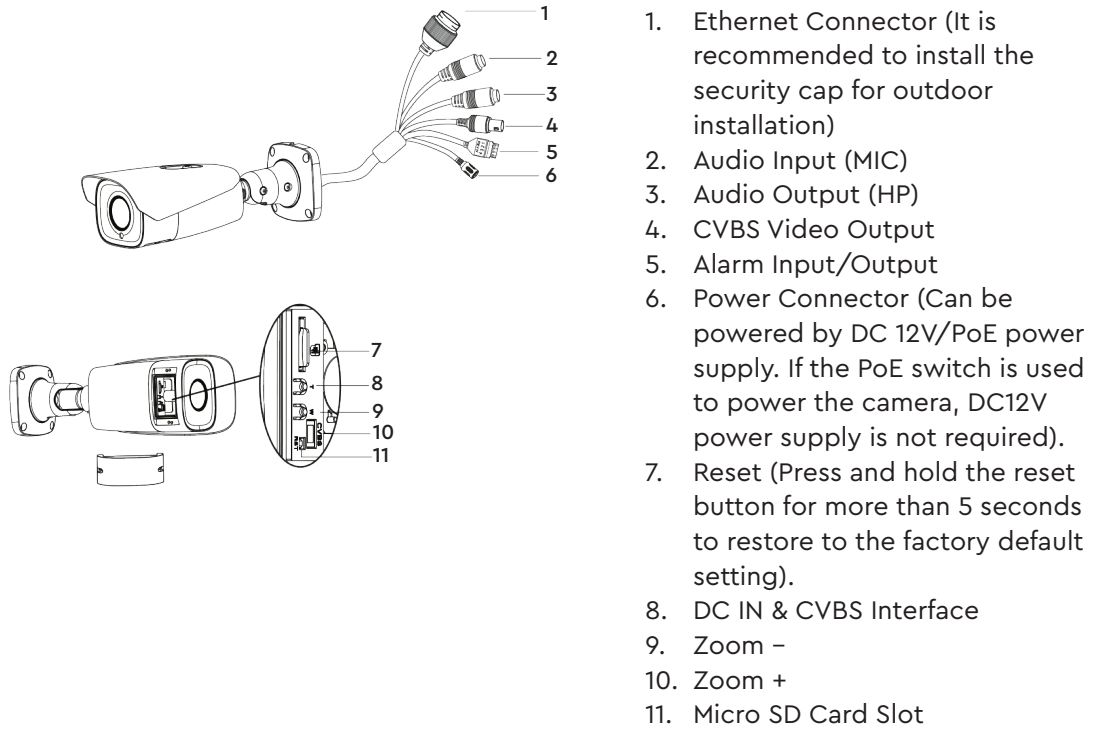
88.9mm

100.3mm

1.3 Contents

Camera

Quick Start Guide

4 Tapping Screws PA 4×25
1 Machine Screw PWM3×5

CD

Drill Template

Plastic Plug x4

L-Wrench

CVBS & DC In Cables

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1.4 Specification

Camera	Image Sensor	1 / 3" CMOS
	Image Size	2592 × 1520
	Electronic Shutter	1 / 30 s ~ 1 / 100000 s
	Iris Type	DC Iris
	Minimum Illumination	0.005 Lux @ F1.4,AGC ON, 0 Lux with IR 0.0028 Lux @ F1.2,AGC ON, 0 Lux with IR
	Lens	2.8~12mm @ F1.4, motorised zoom lens
	Lens Mount	Φ14
	Field of View	Horizontal field of view: 94.2°~29.8°
	Wide Dynamic Range	120dB
	BLC	Yes
	HLC	Yes
	Defog	Yes
	Digital NR	3D DNR
	Angle Adjustment	Pan: 0°~360°, Tilt: 0°~90°, Rotation: 0°~360°
Image	Video Compression	Smart H.265, H.265+, H.265, Smart H.264, H.264+, H.264, MJPEG
	H.264 Compression Standard	Baseline Profile, Main Profile, High Profile
	Resolution	4MP (2592 × 1520), 2K (2560 × 1440), 3MP (2304 × 1296), 1080p (1920 × 1080), 720p (1280 × 720), D1, CIF, 480 × 240
	Main Stream	4MP, 2K, 3MP, 1080p, 720p (60Hz : 1 ~ 30fps, 50Hz: 1~25fps) HFR mode: 1080p, 720p (60Hz : 1 ~ 60fps, 50Hz: 1~50fps)
	Sub Stream	720p, D1, CIF (60Hz : 1 ~ 30fps, 50Hz: 1~25fps)
	Third Stream	D1, CIF, 480 × 240 (60Hz : 1 ~ 30fps, 50Hz: 1~25fps)
	Bit Rate	64 Kbps ~ 8 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
Functions	Remote Monitoring	Web browsing, CMS remote control
	Online Connection	Supports simultaneous monitoring for up to 4 users. Supports multi-stream real time transmission.
	Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, 802.1x, UPnP, HTTPs, QoS
	Interface Protocol	Onvif compliant
	Intelligent Analytics	Object abandoned / missing detection
		Region entrance / exiting / intrusion detection (human / vehicle classification),
		Line crossing detection (human / vehicle classification)
		Video tampering detection
		Scene change detection
		Face recognition and face capture
		Crowd density detection
		Heat map
		Human/vehicle counting,
		Human tracking
	Storage	Network remote storage, micro SD card storage
	Smart Alarm	Motion detection, sensor alarm, SD card error, SD card full, IP address conflict, cable disconnection
	General Function	Watermark, IP address filtering, video mask, heartbeat, password protection, non-photosensitive switch, image distortion correction
	PoE	Yes , IEEE802.3af
	IR Distance	50 ~ 70 m

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Interface	Network	RJ45
	Video Output	CVBS output (BNC x1)
	Audio	1CH audio input, 1CH audio output
	Alarm	1CH alarm input, 1CH alarm output
	Storage	Built-in micro SD card slot, up to 128GB
	Hardware Reset	Yes
Others	Ingress Protection	IP67
	Power Supply	DC12V / PoE
	Power Consumption	< 10W
	Operating Environment	- 30 °C ~ 60°C (-22°F~140°F) Humidity: Less than 95% (Non-condensing)
	Dimensions	279.5 × 100.3 × 88.9 mm
	Weight	Approx. 1.04 Kg

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2.0 Overview

1. Ethernet Connector (It is recommended to install the security cap for outdoor installation)
2. Audio Input (MIC)
3. Audio Output (HP)
4. CVBS Video Output
5. Alarm Input/Output
6. Power Connector (Can be powered by DC 12V/PoE power supply. If the PoE switch is used to power the camera, DC12V power supply is not required).
7. Reset (Press and hold the reset button for more than 5 seconds to restore to the factory default setting).
8. DC IN & CVBS Interface
9. Zoom –
10. Zoom +
11. Micro SD Card Slot

Security Cap

DC12V

1--ALM-COM
2--ALM-OPEN
3--ALM-INA
4--ALM-GND

Alarm Input: Join the grounding ends of the sensor and the camera and then connect the signal cable of the sensor to the alarm input port of the camera.

Alarm Output: Loosen the screws in the alarm output port. Then insert the signal wires of the alarm output devices into the port of COM and OPEN separately. Finally tighten the screws. Some of the external alarm output devices need the power supply.

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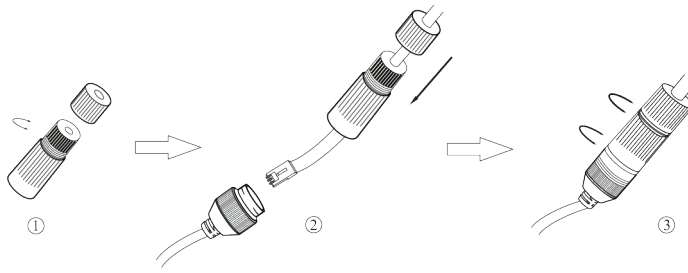
1. Loosen the nut from the main element.
2. Run the network cable (without RJ 45 connector) through both elements. Then crimp the cable with RJ 45 connector.
3. Connect the cable to the hermetic connector. Then tighten the nut and the main cover.

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3.0 Installation

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 and place the cover of the camera within 4 hours of removing it.

1. Drill the screw holes and the cable hole (if you want to route through the ceiling) on the wall or ceiling according to the drill template.
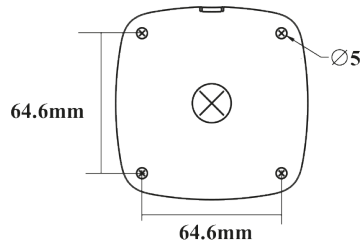
2. Route and connect the cables.
3. Secure the mounting base with camera to the wall with the screws provided.
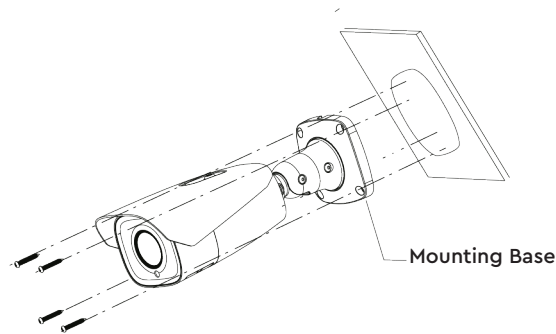
4. Bracket adjustment. Before adjustment, preview the image of the camera on a monitor and then loosen the fixed screws to adjust the view angle of the camera. After, tighten the fixed screws.

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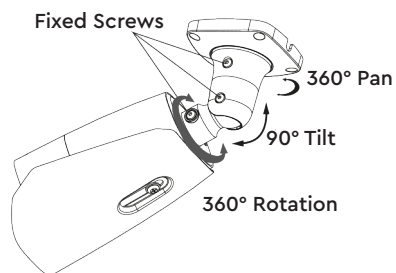
5. Open the cover of the camera as shown in the following figure and then insert a micro SD card. After that, adjust Zoom or Focus to obtain an optimum image. Press the T or W button for Type A; adjust the Focus and Zoom screws for Type B. Before adjustment, view the image of the camera on a monitor.
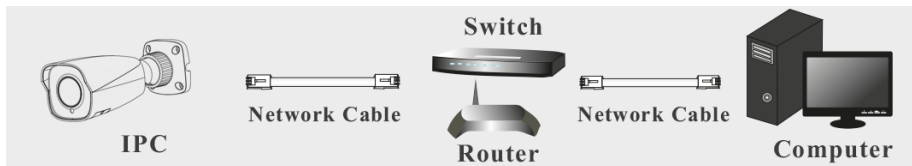
Type A- Motorised Zoom Camera
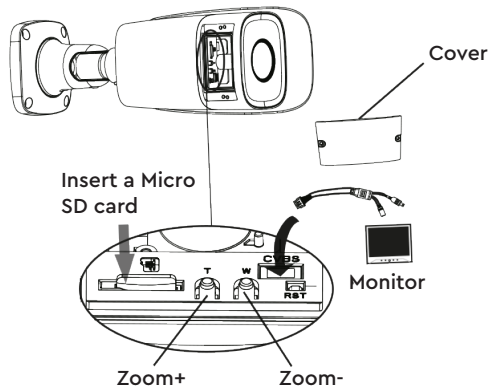
6. Install the cover back to the camera and fix it firmly with the screws. (Note that the cover should not be installed unevenly).
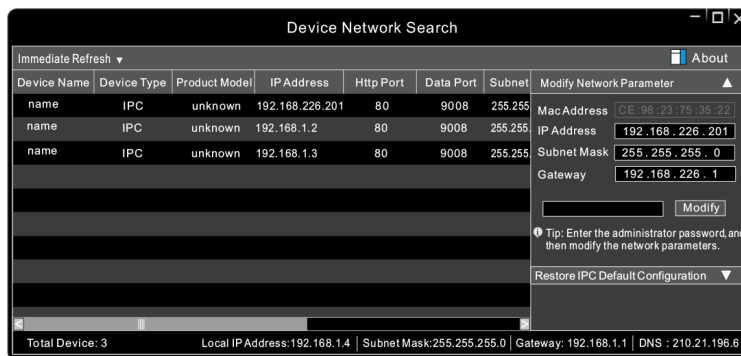
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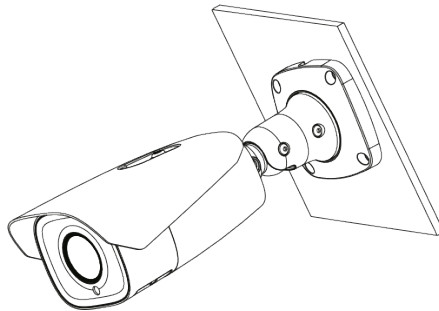
Access the Camera through the IP Tool

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.
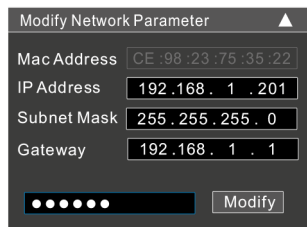
For example, the IP address of your computer is 192.168.1.4. So the IP address of the camera shall be changed to 192.168.1.X and the gateway shall be changed to 192.168.1.1. After modification, please enter the password of the administrator and click "Modify" button to modify the settings. The default 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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