



HIKVISION DS-2XE6222F-IS Explosion-Proof Network Bullet Camera User Guide

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HIKVISION DS-2XE6222F-IS Explosion-Proof Network Bullet Camera



About this Manual

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other

information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the Hikvision website (<https://www.hikvision.com/>).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

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Network Bullet Camera-Quick Start Guide

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Regulatory Information

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Conditions

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

EU Conformity Statement

This product and – if applicable – the supplied accessories too are marked with “CE” and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU, the RoHS Directive 2011/65/EU, the ATEX Directive 2014/34/EU.

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see:

www.recyclethis.info

2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see:

www.recyclethis.info

Intended use of the camera

ATEX: II 2 G D Ex db IIC T6 Gb/Ex tb IIIC T80°C Db IP68 IECEx: Ex db IIC T6 Gb/Ex tb IIIC T80°C Db IP68

Hazardous Area Classification: Zone 1, Zone 2, Zone 21, Zone 22. IP Degree: IP68 (2m, 2h)

Ex Standards:

Nameplate:

Special Conditions for Safe Use:

1. Warning: Potential Electrostatic Charging Hazard – See Instructions.
2. The flameproof joints are not intended to be repaired.

Cautions:

1. When assembly, operation and maintenance, the operator must follow the requirements of the IEC 60079-14: latest version Explosive atmosphere- Part 14: Electrical installation design, selection and erection, beside of the manufacturer’s operation instruction or its National equivalent.
2. Repair and overhaul shall comply with IEC 60079-19: latest version or its National equivalent.
3. Use M6X18L14 fasteners with yield strength ≥ 450 MPa.

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (A)/NMB-3(A) standards requirements.

KC

Warning:

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

The waterproof jacket, cable adapter and the waterproof tapes cannot be exposed to the dangerous area without explosion-proof measures.

Safety Instruction

These instructions are intended to ensure that the user can use the product correctly to avoid danger or property loss.

Laws and Regulations

The device should be used in compliance with local laws, electrical safety regulations, and fire prevention regulations.

Electricity

- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
- The equipment shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the equipment.
- Provide a surge suppressor at the inlet opening of the equipment under special conditions such as the mountain top, iron tower, and forest.
- CAUTION: To reduce the risk of fire, replace only with the same type and rating of fuse.
- The equipment must be connected to an earthed mains socket-outlet.
- An appropriate readily accessible disconnect device shall be incorporated external to the equipment.
- An appropriate overcurrent protective device shall be incorporated external to the equipment, not exceeding the specification of the building.
- An all-pole mains switch shall be incorporated in the electrical installation of the building.
- Ensure correct wiring of the terminals for connection to an AC mains supply.
- The equipment has been designed, when required, modified for connection to an IT power distribution system.

Battery

- Do not ingest battery. Chemical burn hazard!
- This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- Keep new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- CAUTION: Risk of explosion if the battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
- ATTENTION: IL Y A RISQUE D'EXPLOSION SI LA BATTERIE EST REMPLACÉE PAR UNE BATTERIE DE TYPE INCORRECT.
- METTRE AU REBUT LES BATTERIES USAGÉES CONFORMÉMENT AUX INSTRUCTIONS.
- Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).
- Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.

- Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.
- Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.

identifies the positive terminal(s) of equipment which is used with, or generates direct current. – identifies the negative terminal(s) of equipment which

- is used with, or generates direct current.

Fire Prevention

- No naked flame sources, such as lighted candles, should be placed on the equipment.
- The serial port of the equipment is used for debugging only. Hot Surface Prevention

CAUTION: Hot parts! Burned fingers when handling the parts. Wait one-half hour after switching off before handling parts. This sticker is to indicate that the marked item can be hot and should not be touched without taking care. For device with this sticker, this device is intended for installation in a restricted access location, access can only be gained by service persons or by users who have been instructed about the reasons for the restrictions applied to the location and about any precautions that shall be taken.

Installation

- Install the equipment according to the instructions in this manual.
- To prevent injury, this equipment must be securely attached to the floor/wall in accordance with the installation instructions.
- Never place the equipment in an unstable location. The equipment may fall, causing serious personal injury or death.

Power Supply

- The input voltage should conform to IEC60950-1 standard: SELV (Safety Extra Low Voltage) and the Limited Power Source. Refer to the appropriate
- documentation for detailed information.
- The power source should meet limited power source or PS2 requirements according to IEC 60950-1 or IEC 62368-1 standard.
- DO NOT connect multiple devices to one power adapter, to avoid over-heating or fire hazards caused by overload.
- Make sure the plug is properly connected to the power socket.

White Light Illuminator (If supported)

- Possibly hazardous optical radiation emitted from this product.
- DO NOT stare at operating light source. May be harmful to the eyes.
- Wear appropriate eye protection or DO NOT turn on the white light when you assemble, install or maintain the camera.

Transportation

- Keep the device in original or similar packaging while transporting it.

System Security

- The installer and user are responsible for password and security configuration. Maintenance
- If the product does not work properly, please contact your dealer or the nearest service center.
- We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.
- A few device components (e.g., electrolytic capacitor) require regular replacement. The average lifespan varies, so periodic checking is recommended. Contact your dealer for details.

Cleaning

Please use a soft and dry cloth when clean inside and outside surfaces of the product cover. Do not use alkaline detergents.

Using Environment

- When any laser equipment is in use, make sure that the device lens is not exposed to the laser beam, or it may burn out.
- DO NOT expose the device to high electromagnetic radiation or dusty environments.
- For indoor-only device, place it in a dry and well-ventilated environment.
- DO NOT aim the lens at the sun or any other bright light.
- Make sure the running environment meets the requirement of the device. The operating temperature shall be -30 °C to 60 °C (-22 °F to 140 °F), and
- the operating humidity shall be 95% or less (no condensing).
- DO NOT place the camera in extremely hot, cold, dusty or damp locations, and do not expose it to high electromagnetic radiation.

Emergency

If smoke, odor, or noise arises from the device, immediately turn off the power, unplug the power cable, and contact the service center.

Time Synchronization

Set up device time manually for the first time access if the local time is not synchronized with that of the network. Visit the device via Web browse/client software and go to time settings interface.

Reflection

Make sure that no reflective surface is too close to the device lens. The IR light from the device may reflect back into the lens causing reflection.

Cautions

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

- Do not drop the camera or subject it to physical shock.
- To ensure explosion-proof performance, do not damage explosion-proof surface.
- Do not touch sensor modules with fingers. If cleaning is necessary, use clean cloth with a bit of ethanol and wipe it gently. If the camera will not be used for an extended period, please replace the lens cap to protect the sensor from dirt.
- Do not aim the camera at the sun or extra bright places. Blooming or smearing may occur otherwise (which is not a malfunction), and affect the endurance of sensor at the same time.
- The sensor may be burned out by a laser beam, so when any laser equipment is in using, make sure that the surface of sensor will not be exposed to the laser beam.
- To avoid heat accumulation, good ventilation is required for operating environment.
- Warning! To prevent accumulation of electrostatic charge, only damp cloth can be used during the cleaning.
- Keep the camera away from liquid while in use.
- While in delivery, the camera shall be packed in its original packing, or packing
- of the same texture.
- Regular part replacement: a few parts (e.g. electrolytic capacitor) of the equipment shall be replaced regularly according to their average enduring time. The average time varies because of differences between operating environment and using history, so regular checking is recommended for all the users. Please contact with your dealer for more details.
- Improper use or replacement of the battery may result in hazard of explosion.
- Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.

Introduction

Overview

Explosion-proof network camera is a surveillance product capable of video/audio collecting, smart encoding and network transmitting. It adopts an embedded system and a high-performed hardware process platform to achieve good stability and reliability.

You can visit and configure your camera via web browser and client software.

Explosion-proof network camera adopts a stainless steel enclosure, receiving an IP68 rating for ingress protection.

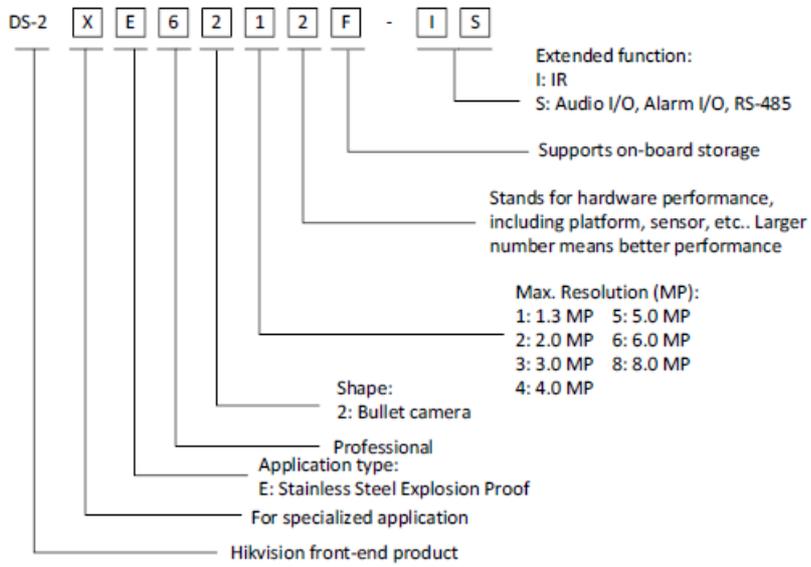
Application Scenarios: oil industry, mine fields, chemical industry, port, grain processing industry, etc.

Model Description

This manual is applicable to the following models: Table 1-1 Applicable Model List

Model List	
DS-2XE6212F-IS	DS-2XE6252F-IS
DS-2XE6222F-IS	DS-2XE6262F-IS
DS-2XE6232F-IS	DS-2XE6282F-IS
DS-2XE6242F-IS	

Figure 1-2 Model Explanation



Appearance Description

Overview

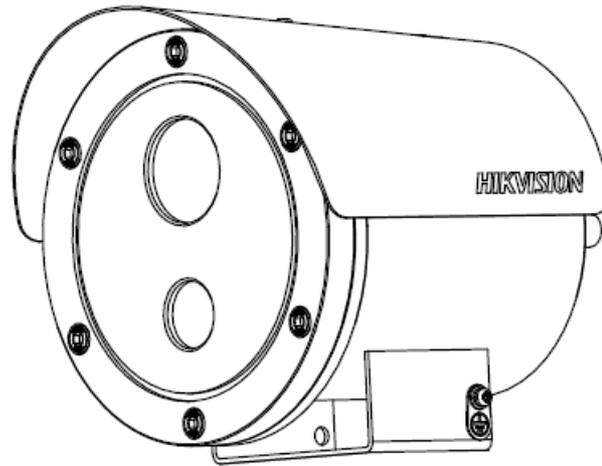
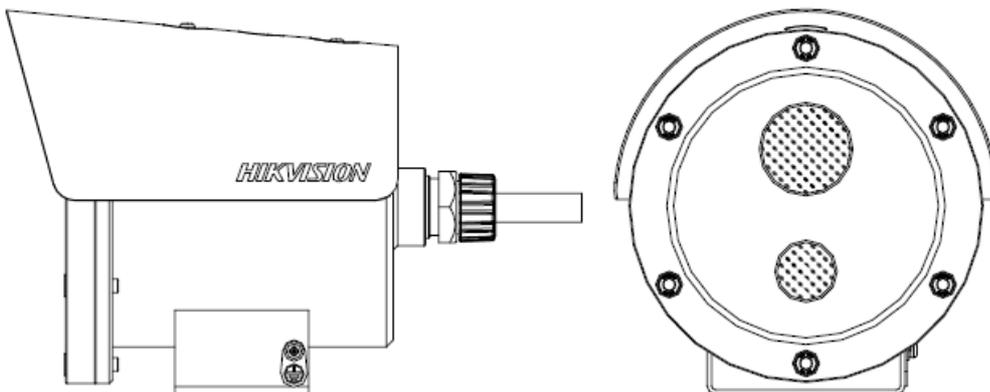


Figure 1-3 Explosion-Proof Network Bullet Camera Overview (1)

Figure 1-4 Explosion-Proof Network Bullet Camera Overview (2)



Cable Description

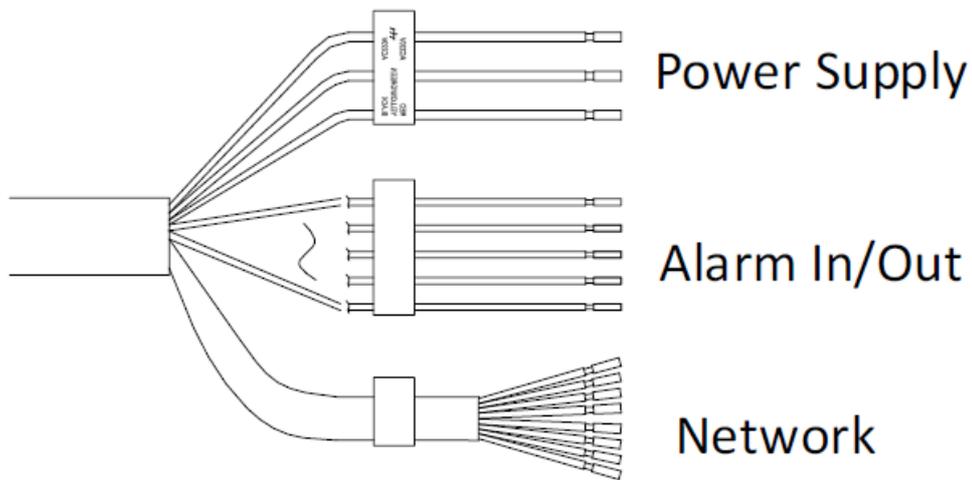


Figure 1-5 Overview of Cables

Table 1-2 Description of Cables

Cables	Description
Power Supply	Voltage: 100 VAC to 240 VAC (RED/BLACK)
	YELLOW/GREEN: for grounding
Alarm In/Out	YELLOW/BLUE: ALARM_IN1
	WHITE/RED: ALARM_OUT1
	YELLOW/ORANGE: ALARM_IN2
	WHITE/PURPLE: ALARM_OUT2
	YELLOW/BLACK: ALARM_GND
Network	For network communication PoE (802.3 at, 42.5 to 57 VDC), 0.2 to 0.3 A

Note:

ALARM_IN1 and ALARM_OUT1 (ALARM_IN2 and ALARM_OUT2) should be used in pairs for alarm input and output.

Installation

Before you start:

- Make sure the device in the package is in good condition and all the assembly parts are included.
- The standard power supply is 100 VAC to 240 VAC, PoE (802.3 at, 42.5 to 57 VDC), 0.2 to 0.3 A, please make sure your power supply matches with your camera.

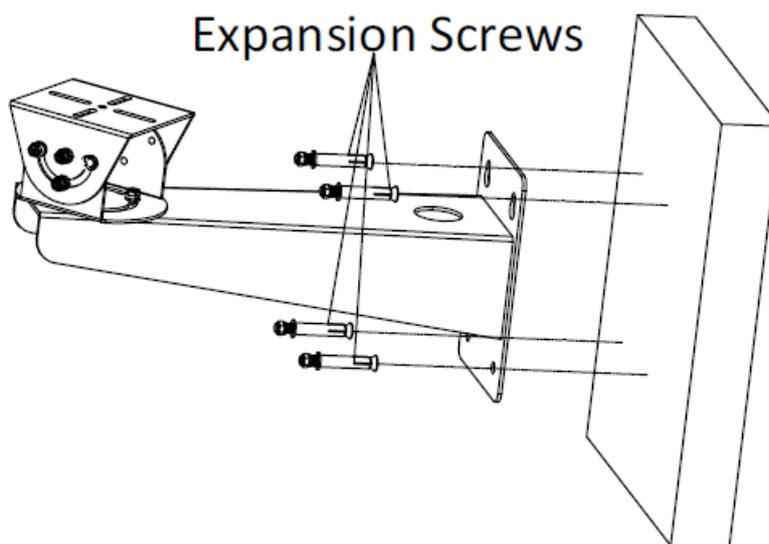
- Make sure all the related equipment is power-off during the installation.
- Check the specification of the products for the installation environment.
- Make sure that the wall is strong enough to withstand four times the weight of the camera and the bracket. For the camera that supports IR, you are required to pay attention to the following precautions to prevent IR reflection:
 - Make sure that there is no reflective surface too close to the camera lens. The IR light from the camera may reflect back into the lens causing reflection.

Wall Mounting

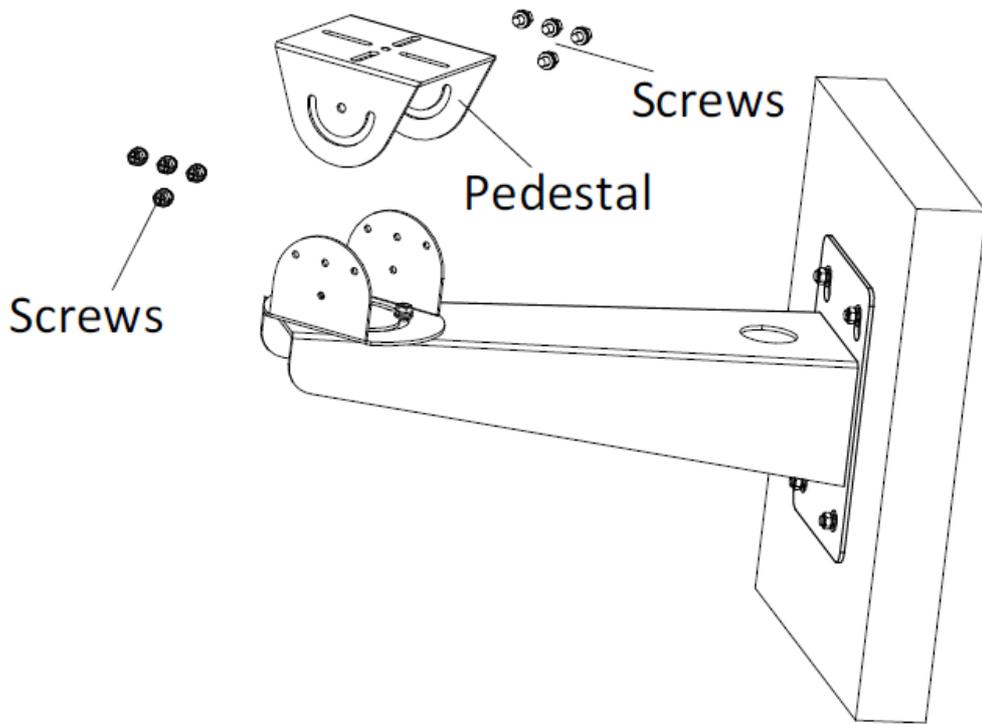
Before you start:

There is no wall mounting bracket included in the package. You have to prepare a wall mounting bracket if you choose this mounting type. The shown bracket below is only for demonstration.

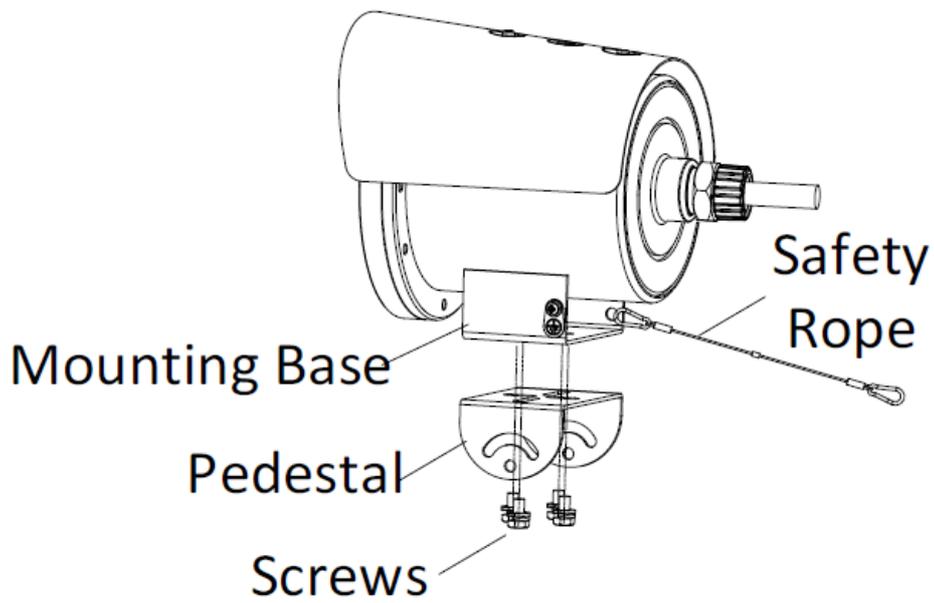
Steps:



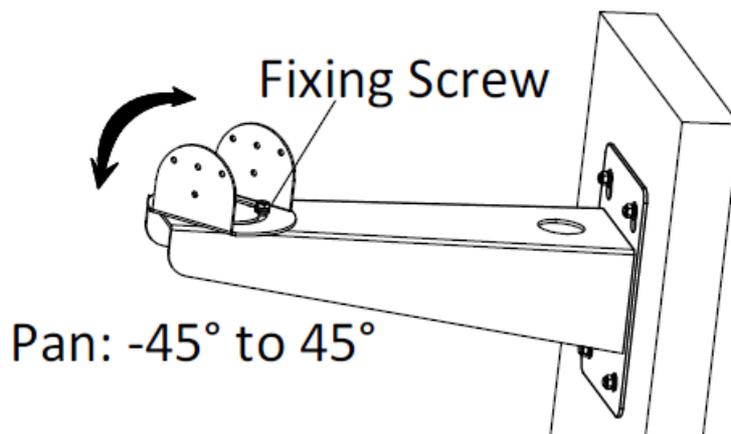
1. Fix the wall mounting bracket to the desired place on wall with four expansion screws.
2. Figure 1-6 Install the Wall Mounting Bracket



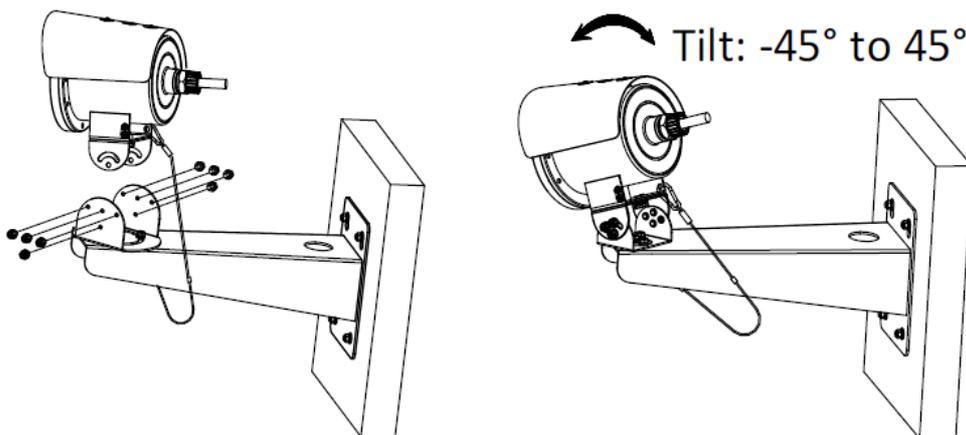
3. Unscrew and remove the pedestal from the bracket.



4. Figure 1-7 Remove the Pedestal



- Align the screw holes on the camera mounting base with those on the pedestal, and fix the camera to the pedestal with the supplied screws.



- Figure 1-8 Fix the Camera to the Pedestal
- Loosen the fixing screw, and adjust the panning position. Tighten the fixing screw after adjustment.
- Use safety rope to hook the camera and the bracket. Adjust the tilting position when screwing the camera to the wall mounting bracket.
- Figure 1-10 Secure the Camera to Wall Mounting Bracket
- Secure the screws to finish installation.

Activate and Access Network Camera

Scan the QR code to get Activate and Access Network Camera. Note that mobile data charges may apply if Wi-Fi is unavailable.



Documents / Resources

 Explosion-Proof Network Bullet Camera DS-2XE6222F-IS	<p>HIKVISION DS-2XE6222F-IS Explosion-Proof Network Bullet Camera [pdf] User Guide DS-2XE6222F-IS Explosion-Proof Network Bullet Camera, DS-2XE6222F-IS, Explosion-Proof Network Bullet Camera, Proof Network Bullet Camera, Network Bullet Camera, Bullet Camera, Camera</p>
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References

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