



## HIKVISION T20 Network Camera User Guide

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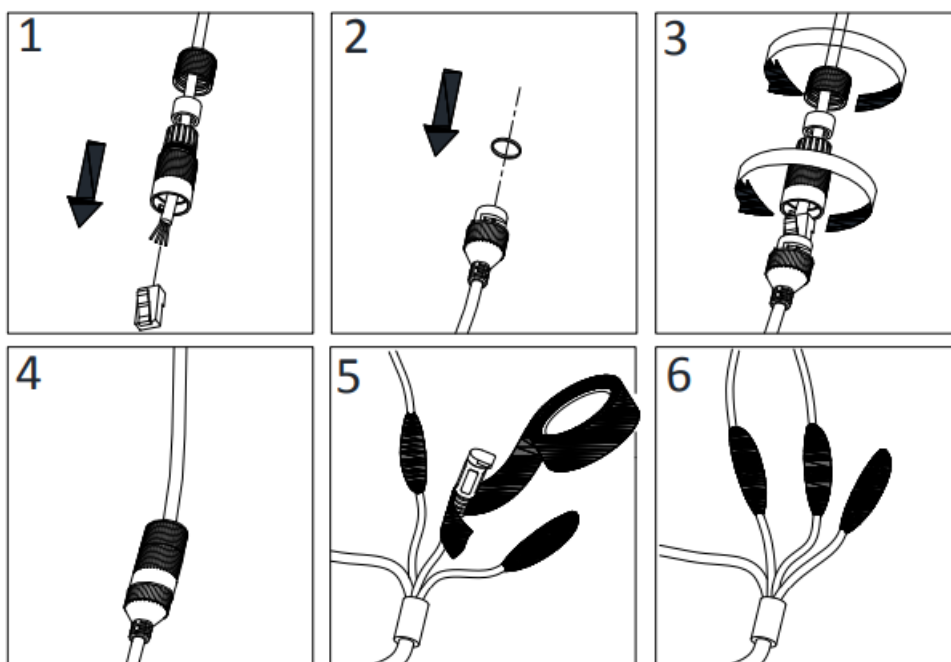
### HIKVISION T20 Network Camera



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## Waterproof



## Activate and Access Network Camera



Specification

Interface	Description
LAN(PoE)	Network interface, PoE supported
DC12V, AC24V	Power input interface
MicroSD 	MicroSD card slot Insert the MicroSD card for local storage
RESET	One-key reset button
AUDIO IN	Audio input interface
AUDIO OUT	Audio output interface
ALARM IN	Alarm input interface IN1 and GND1, IN2 and GND2 are two pairs of alarm inputs
ALARM OUT	Alarm output interface 1A and 1B, 2A and 2B, 3A and 3B are three pairs of alarm outputs
RS-485	D+ or D- connect to 485
DC12V, GND / DC 12V_OUT	Power output interface
BNC	BNC/CVBS interface
	Grounding

**Note:** The interface varies with the models. Please refer to the product datasheet for details.

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#### 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 in the company website (<https://www.hikvision.com>). Please use this user manual under the guidance of professionals.



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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 B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**\* Wi-Fi device:**

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

**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.

**Note:** Due to the device size, FCC compliance statement and warnings will be listed in the manual.

**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, Wi-Fi device: the RE Directive 2014/53/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](http://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](http://www.recyclethis.info)

**Industry Canada ICES-003 Compliance**

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

**\* Wi-Fi device:**

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. this device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent is o tropically radiated power

(e.i.r.p.) is not more than that necessary for successful communication.

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

## 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

## 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. 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

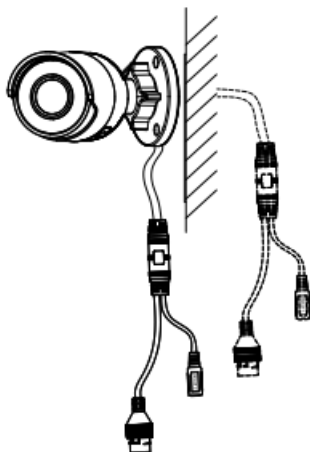
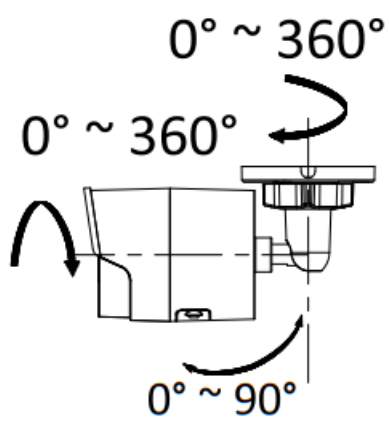
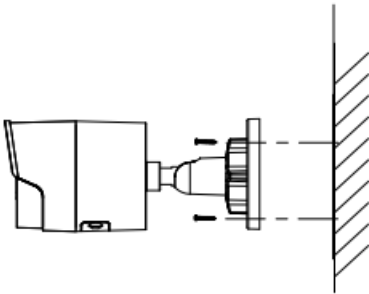


**CAUTION:** Hot parts! Burned fingers when handling the parts. Wait one-half hour after switching off before handling parts. This sticker is to indicate that the marked item can be hot and should not be touched without taking care. For device with this sticker, this device is intended for installation 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

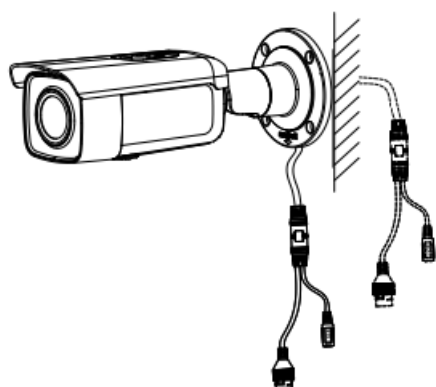
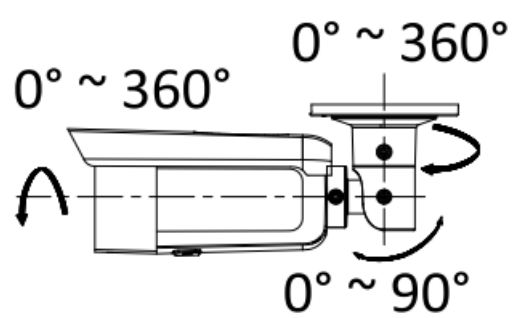
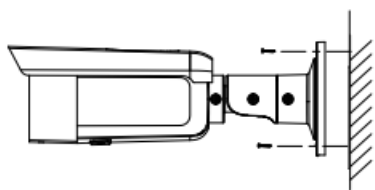
Install the equipment according to the instructions in this manual.

**1**

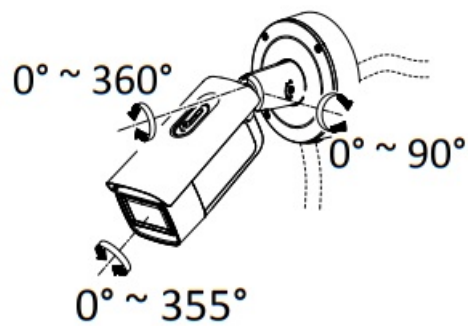
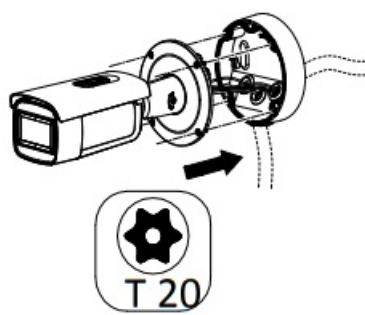
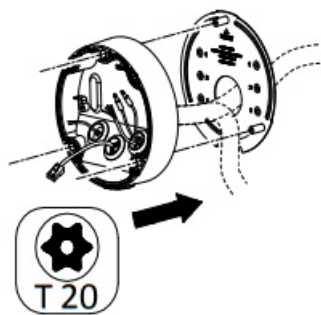
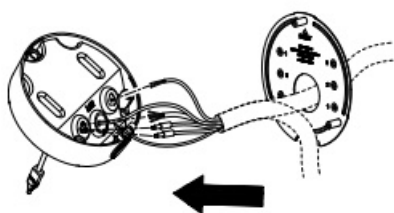




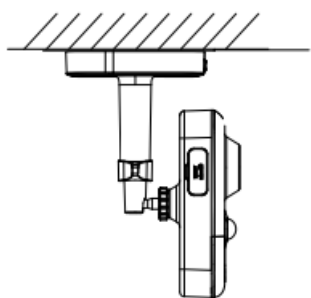
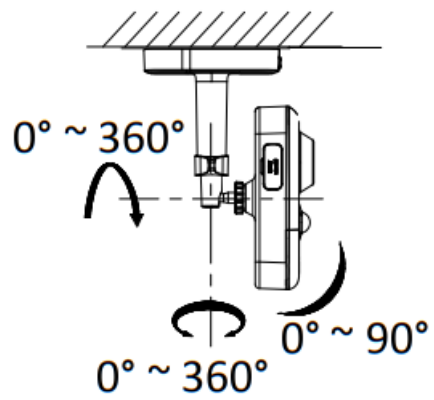
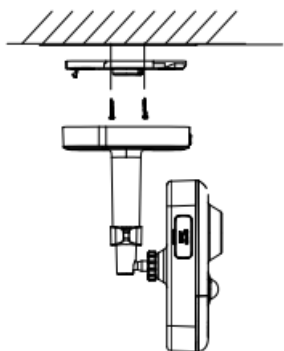
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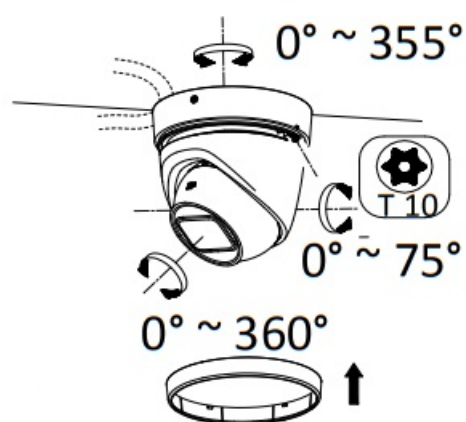
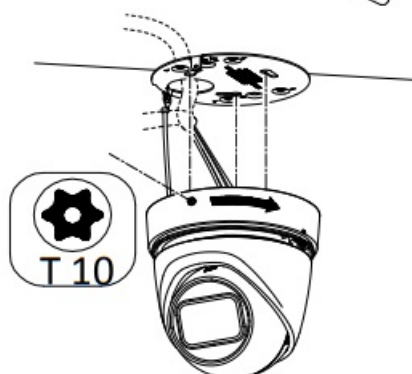
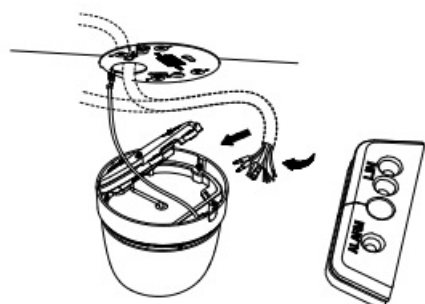
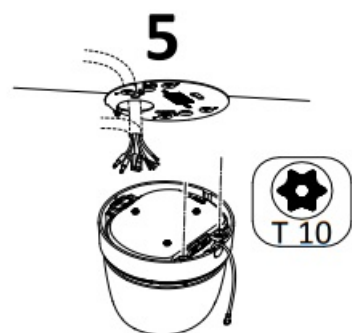


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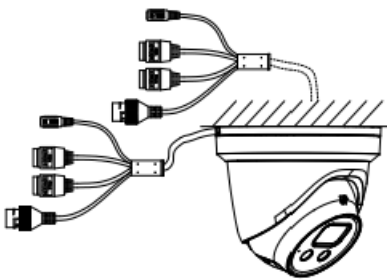
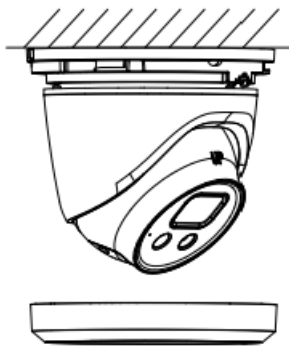
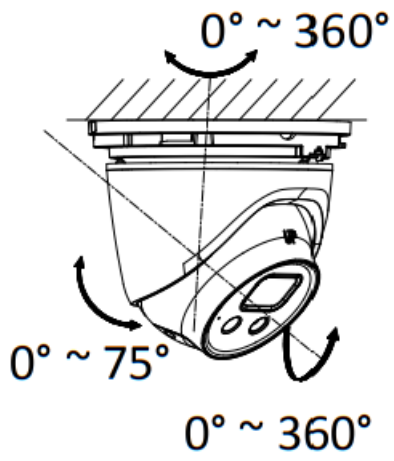
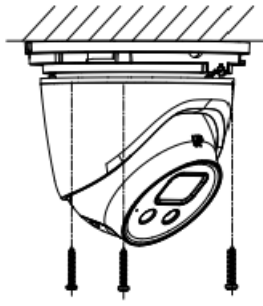


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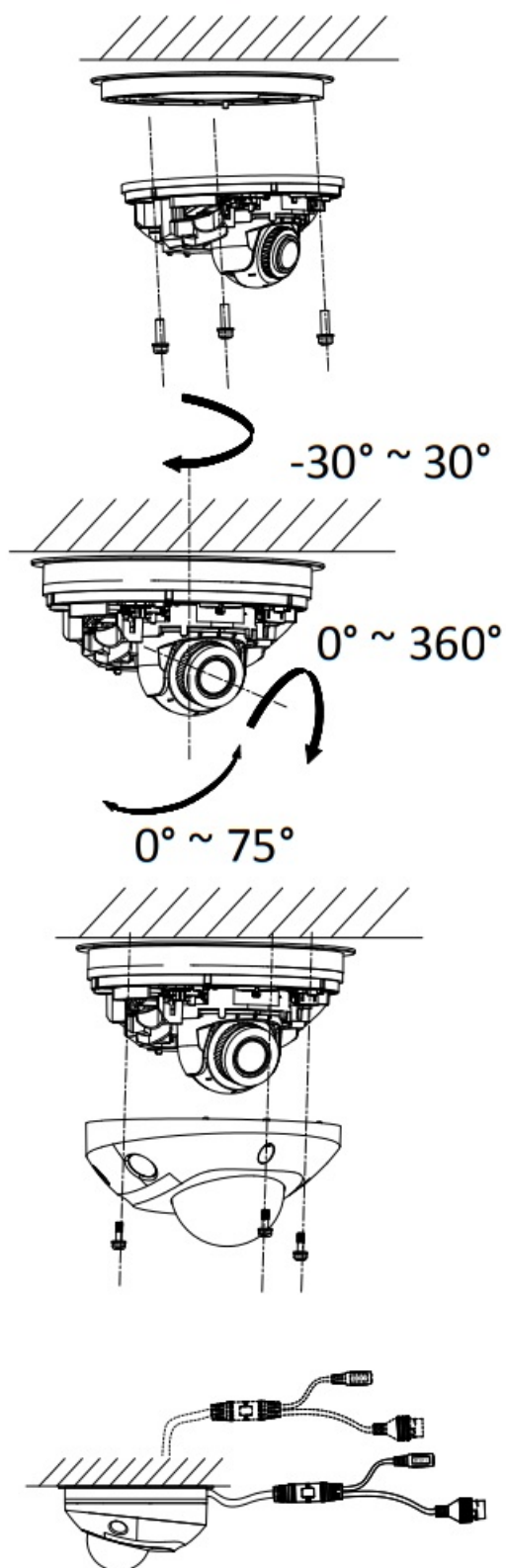




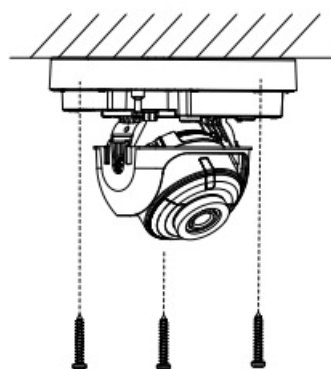
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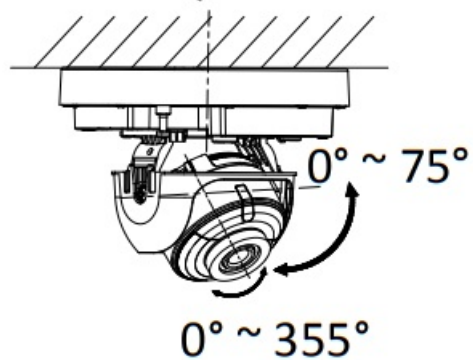
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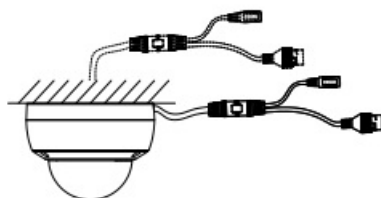
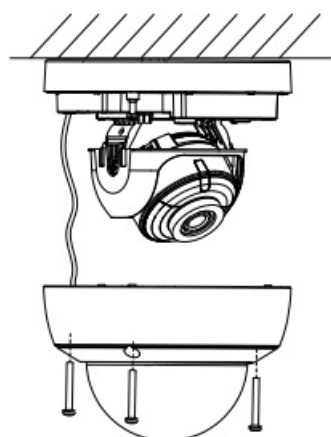
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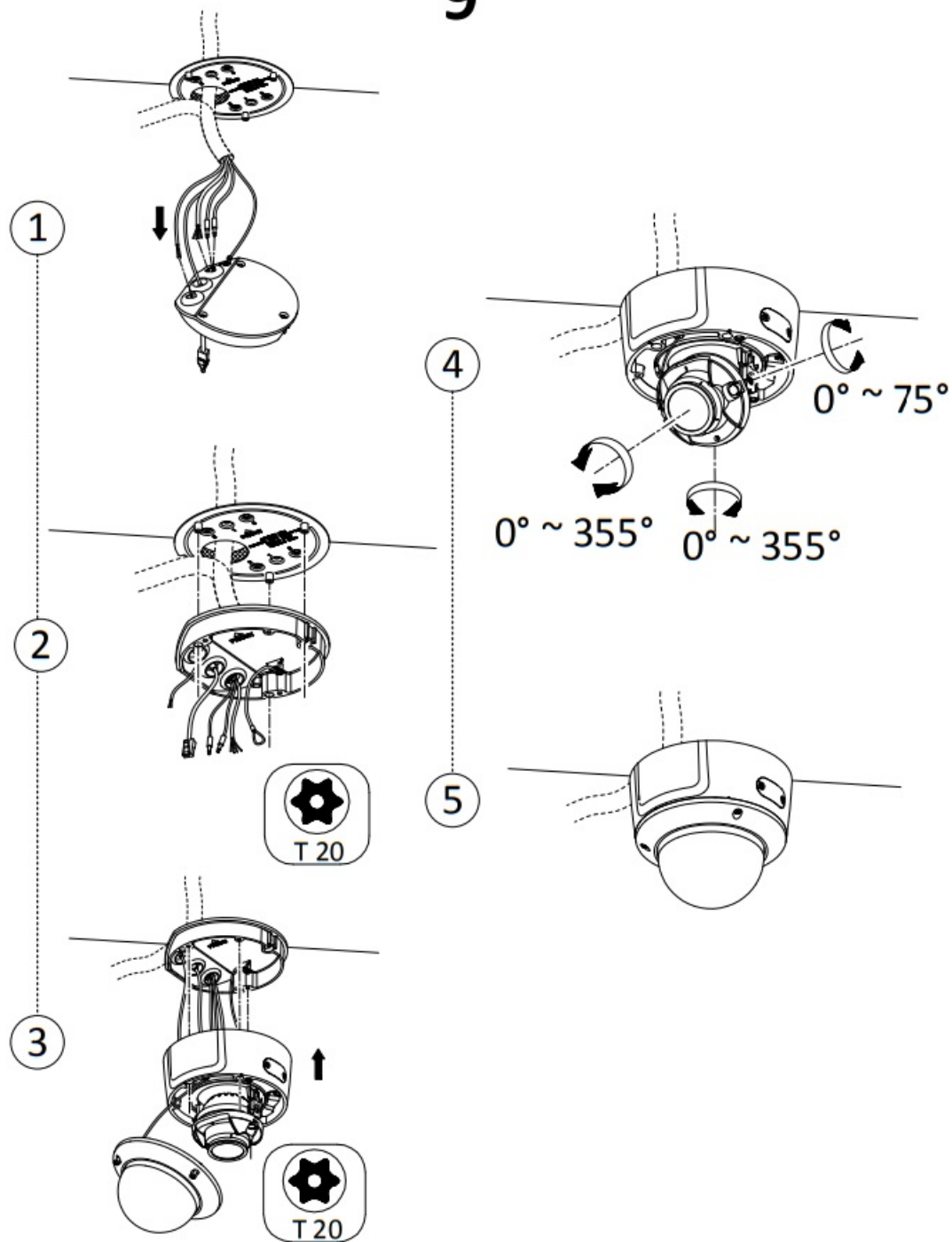
0° ~ 355°



0° ~ 355°

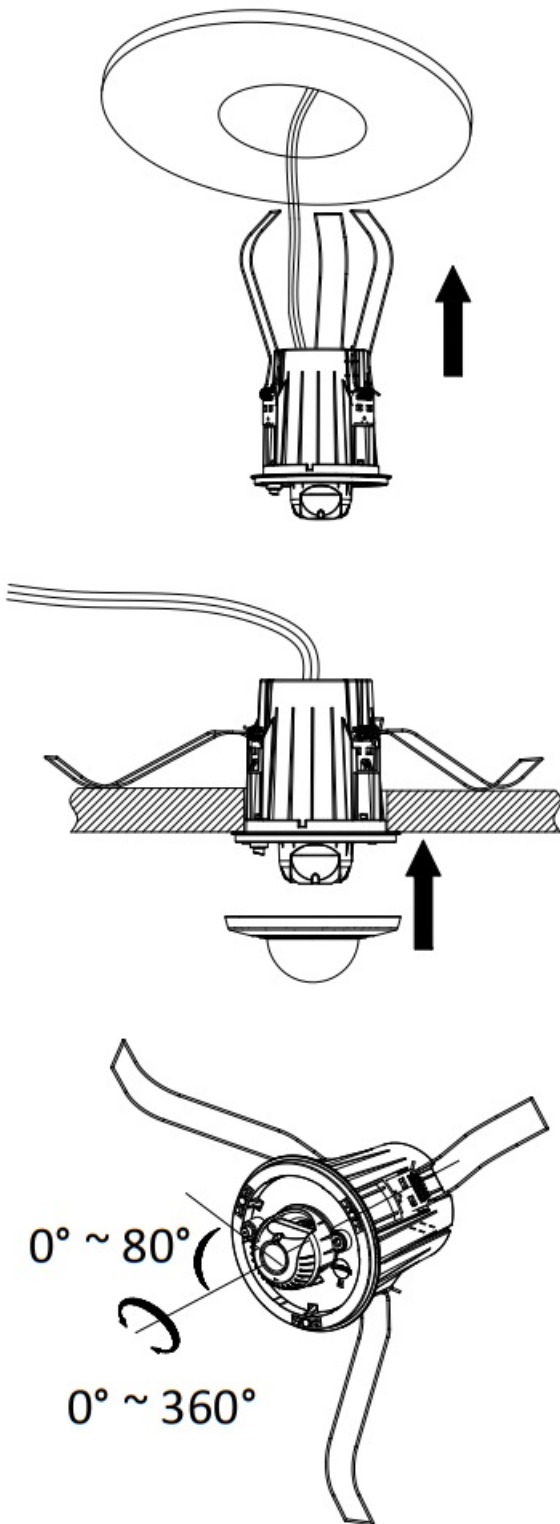


# 9





# 10



## Power Supply

Device powered by Safety Extra-Low Voltage(SELV): The power source should meet limited power source or PS2 requirements according to IEC 60950-1 or IEC 62368-1 standard. Device powered by AC mains supply voltage: 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.

## **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**

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.


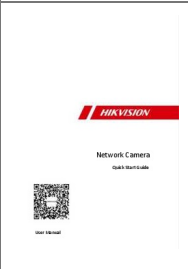
## **Reflection**

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.



Documents / Resources

	<a href="#">HIKVISION T20 Network Camera</a> [pdf] User Guide T20, T10, T20 Network Camera, Network Camera, Camera
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