
advidia

Advidia A-14, A-34 & A-34W Installation Manual

Thank you for purchasing our product. If there are any questions, or requests, please do not hesitate to contact the dealer.

This manual may contain inaccuracies or printing errors, and the content is subject to change without notice. The updates will be added to the new version of this manual. We will readily improve or update the products or procedures described in the manual.

DISCLAIMER STATEMENT

“Underwriters Laboratories Inc. (“UL”) has not tested the performance or reliability of the security or signaling aspects of this product. UL has only tested for fire, shock or casualty hazards as outlined in UL’s Standard(s) for Safety, UL60950-1. UL Certification does not cover the performance or reliability of the security or signaling aspects of this product. UL MAKES NO REPRESENTATIONS, WARRANTIES OR CERTIFICATIONS WHATSOEVER REGARDING THE PERFORMANCE OR RELIABILITY OF ANY SECURITY OR SIGNALING RELATED FUNCTIONS OF THIS PRODUCT.”

Safety Instruction

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

The precaution measure is divided into 'Warnings' and 'Cautions':

Warnings: Serious injury or death may be caused if any of these warnings are neglected.

Cautions: Injury or equipment damage may be caused if any of these cautions are neglected.

	
Warnings Follow these safeguards to prevent serious injury or death.	Cautions Follow these precautions to prevent potential injury or material damage.



Warnings:

- Please adopt the power adapter which can meet the safety extra low voltage (SELV) standard. And source with DC 12V or AC 24V (depending on models) according to the IEC60950-1 and Limited Power Source standard.
- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the camera yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)
- To reduce the risk of fire or electrical shock, do not expose this product to rain or moisture.
- This installation should be made by a qualified service person and should conform to all the local codes.
- Please install blackouts equipment into the power supply circuit for convenient supply interruption.
- Please make sure that the ceiling can support more than 50(N) Newton gravities if the camera is fixed to the ceiling.
- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the camera yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)



Notice:

- Make sure the power supply voltage is correct before using the camera.
- Do not drop the camera or subject it to physical shock.
- Do not touch sensor modules with fingers. If cleaning is necessary, use a clean cloth with a bit of ethanol and wipe it gently. If the camera will not be used for an extended period of time, put on the lens cap to protect the sensor from dirt.
- Do not aim the camera lens at the strong light such as sun or incandescent lamp. The strong light can cause fatal damage to the camera.
- The sensor may be burned out by a laser beam, so when any laser equipment is being used, make sure that the surface of the sensor not be exposed to the laser beam.
- Do not place the camera in extremely hot, cold temperatures (the operating temperature should be between $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$), dusty or damp environment, and do not expose it to high electromagnetic radiation.
- To avoid heat accumulation, good ventilation is required for a proper operating environment.
- Keep out of water and any liquid.
- While shipping, the camera should be packed in its original packing.
- Improper use or replacement of the battery may result in hazard of explosion. Please use the manufacturer recommended battery type.

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Chapter 1 Introduction

The network camera is an embedded digital surveillance product that combines the features of both traditional analog cameras and built in web server. This built-in video server provides the capability of providing real-time video stream compression, processing, video analysis and transmission simultaneously. Applying the latest processing chip and hardware platform, Advidia network cameras can be widely applied to various surveillance and image processing systems with high reliability and stability.

1.1 Applications

This camera can be adopted for network video surveillance systems, e.g.:

- Network surveillance for over-the-counter activities in the banks, ATMs, supermarkets and factories.
- Remote surveillance systems for nursing homes, kindergartens and schools.
- Artificial Intelligent access control systems .
- Artificial Intelligent office building/residential compounds management systems.
- Unguarded power station and telecommunication base station surveillance systems.
- Pipelining and warehousing monitoring systems.
- Surveillance systems for airports, railway stations, bus stops, etc.

1.2 Preparations

Before you start:

- Verify the package contents are correct by checking the items against the packing list.
- Read the following contents carefully before installation.
- Make sure that all the related equipment is power-off during installation.
- Check whether the power supply is matched with your AC outlet to avoid damage.
- Do not place the camera in extremely hot or damp environment. To avoid heat accumulation, good ventilation of the operating environment is required.
- If the product does not function properly, please contact your dealer or the nearest service center. Do not disassemble the camera for repair or maintenance by yourself.

Chapter 2 Dome Camera Installation

2.1 Dome Camera A-14,A-34, A-34W

2.1.1 Overview

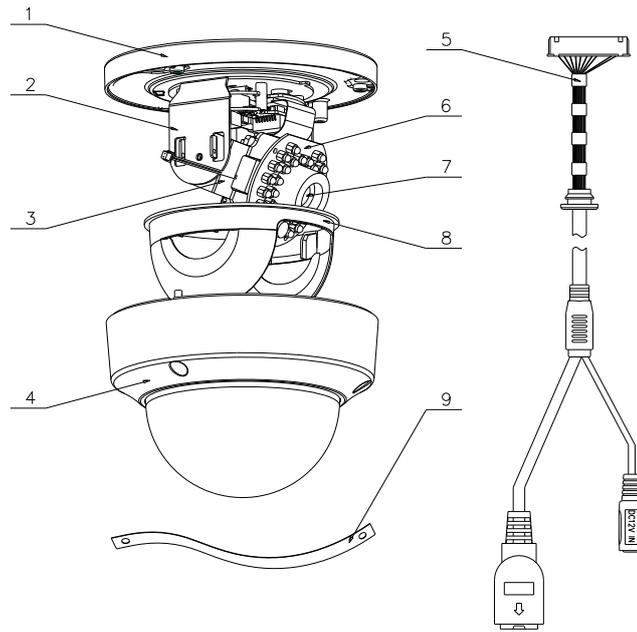


Figure 2-1 Overview

Table 2-1 Physical Description

No.	Description
1	Mounting base
2	Horizontal stand
3	Vertical stand
4	Lower dome
5	Cables
6	Plate of infrared lamp
7	Lens
8	Black Liner
9	Safety cable

2.1.2 Installation

Notes:

- Read the following contents carefully before the installation.
- Check the specification of the products for the installation environment.
- Make sure that all the related equipment is power-off during the installation.
- Check whether the power supply is matched with your AC outlet to avoid any damage.
- Do not place the camera in extremely hot or damp environment. To avoid heat accumulation, good ventilation is required for a proper operating environment.
- If the product does not function properly, please contact your dealer or the nearest service center. Do not disassemble the camera for repair or maintenance by yourself.
- Ceiling mounting is recommended for this camera.

Note: The ceiling must be thick enough to withstand more than three times the weight of the camera.

Steps:

1. Drill the screw holes on the ceiling with the supplied drilling template. If you need to route the cables from the bottom of the camera, cut a cable hole in the ceiling.

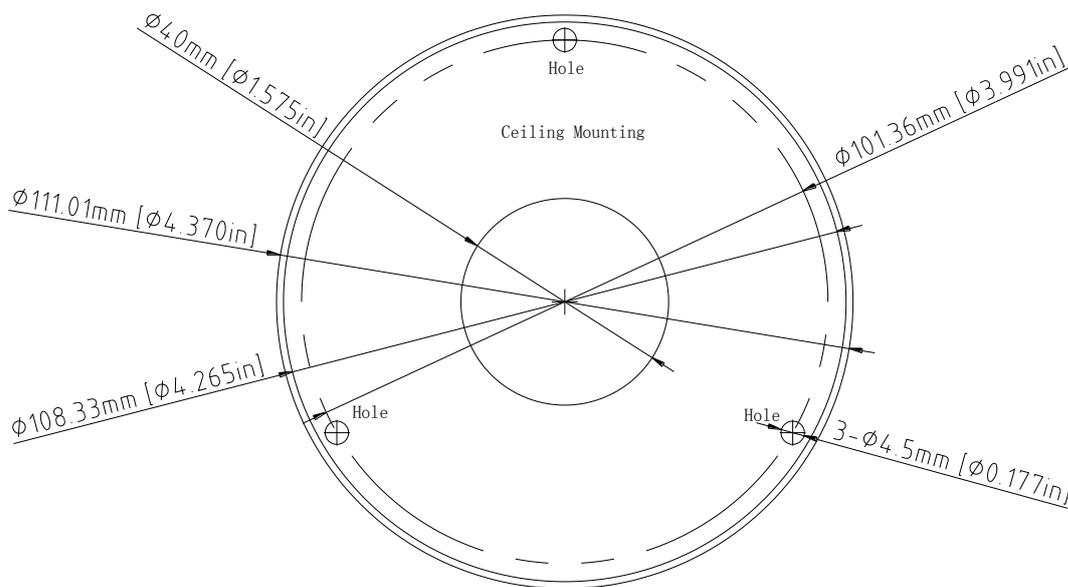


Figure 2-2 Drill Template

2. Loosen the set screws with a hex key (supplied) to remove the lower dome.

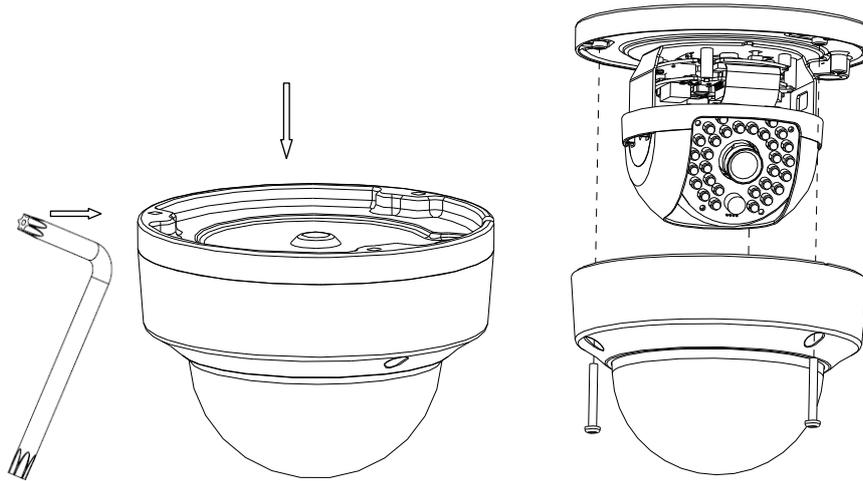


Figure 2-3 Remove the Lower Dome

3. Secure the mounting base to the ceiling with screws.

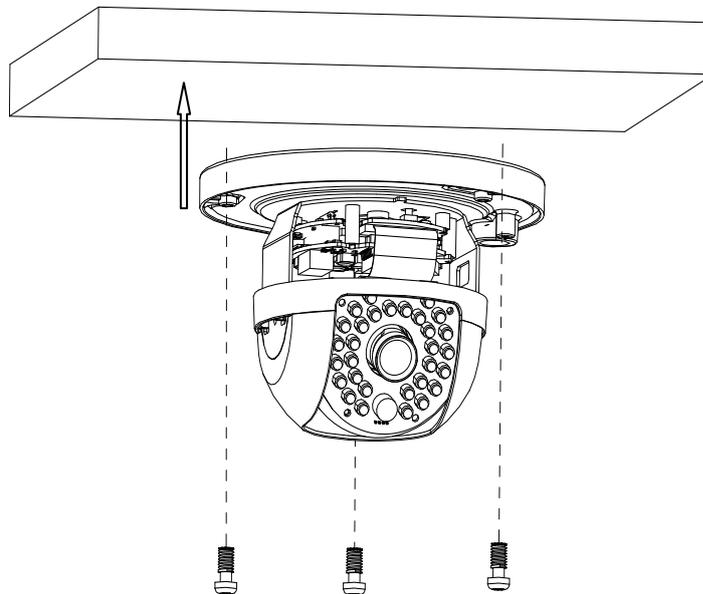


Figure 2-4 Fix the Mounting Base

Note: If required, you can route cables through the side opening on the side of the mounting base.

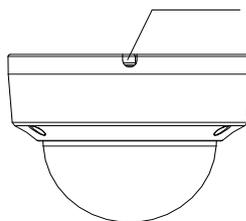


Figure 2-5 Side Opening

4. Loosen the tilt lock screws, adjust the tilting position in a range of 65 degrees, and tighten the tilt lock screws. Rotate the black liner to adjust the panning position in a range of 360 degrees until getting the desired surveillance angle.

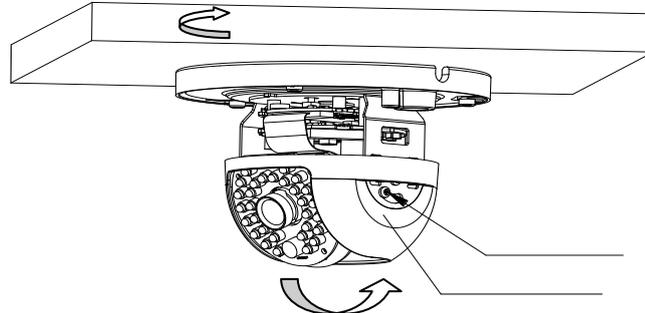


Figure 2-6 Angle Adjusting

Note: As the lens of camera has already been factory adjusted to the best imaging effect, you just need to adjust the panning position and tilting position to get the desired surveillance angle.

5. Reinstall the lower dome and tighten the screws.

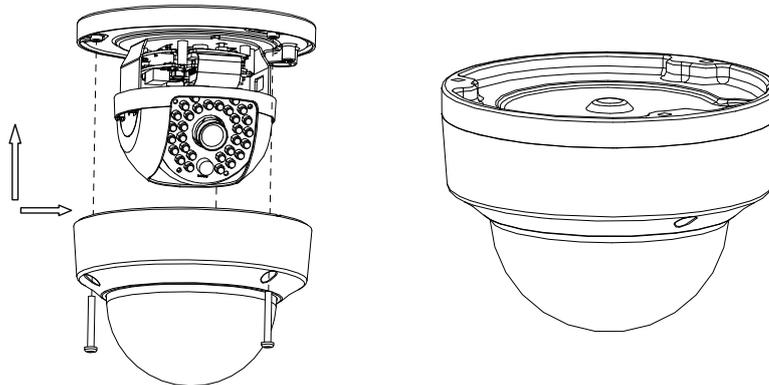


Figure 2-7 Reinstalling