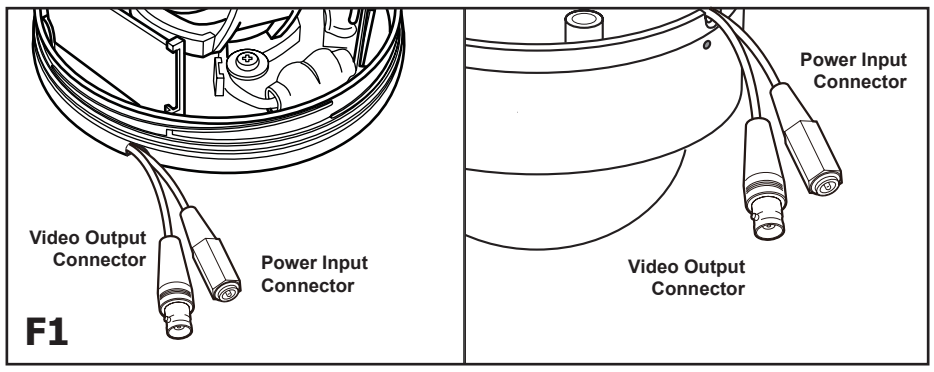
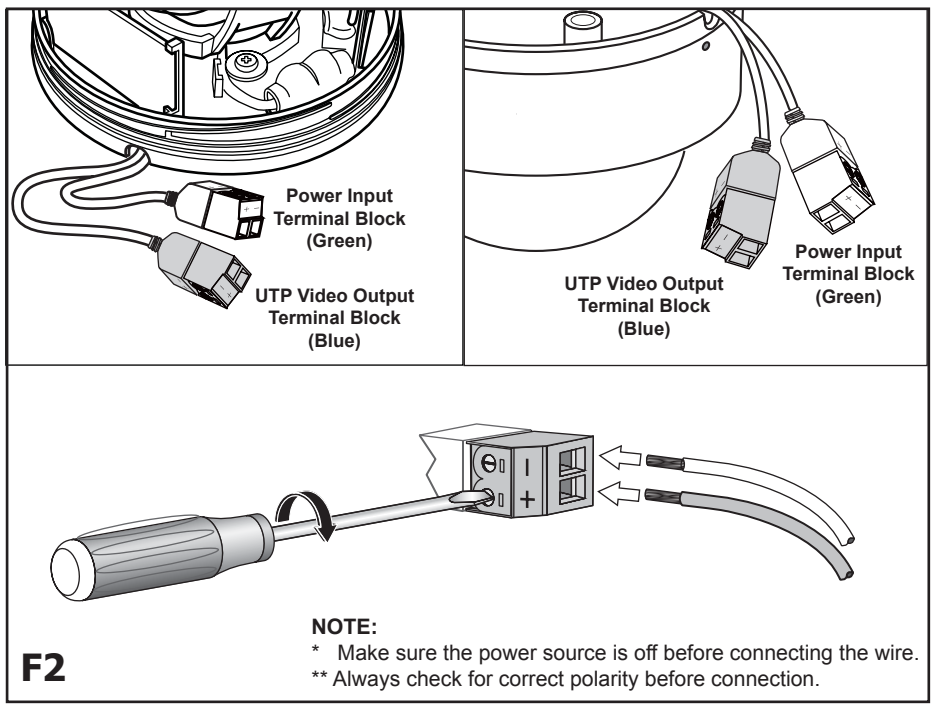
Connecting the Wires

Alternative 1: Standard BNC & Barrel Connector



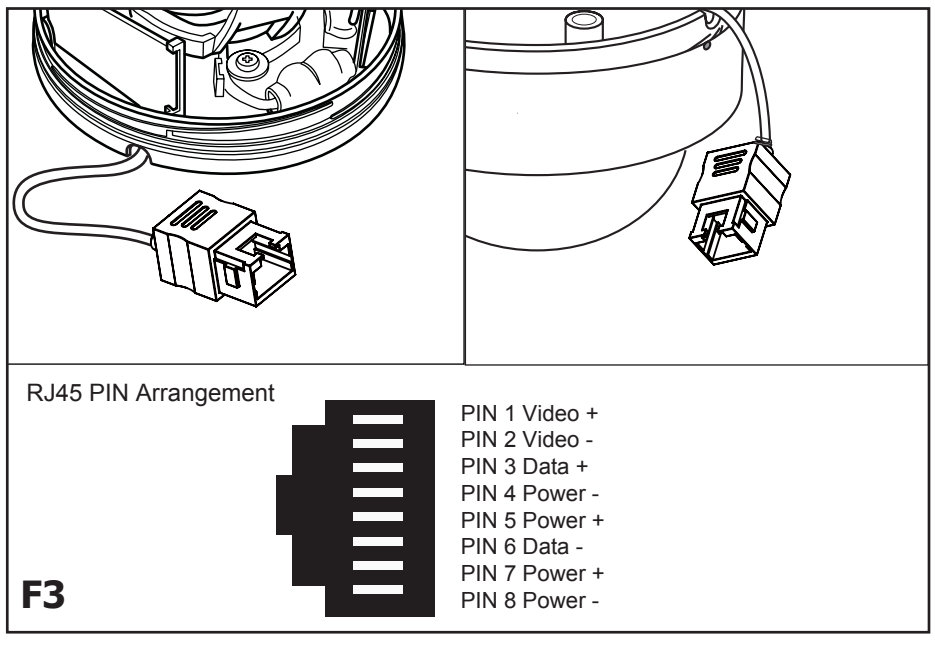
Alternative 2: Terminal Connector



NOTE:
* Make sure the power source is off before connecting the wire.
** Always check for correct polarity before connection.

Insert the wires into the terminal block and secure the screws

Alternative 3: RJ45 Connector



Before You Begin

Read the instructions before installing or operating this product.

Note:

This installation should be made by a qualified service person and should conform to local codes of practice. This manual provides installation and operation information. To use this document, you must have the following minimum qualifications:

- A basic knowledge of CCTV systems and components.
- A basic knowledge of electrical wiring and low-voltage electrical connections.

Intended Use

Only use this product for its designated purpose; refer to the product specification and user documentation.

- Do not attempt to disassemble the camera module mounted within the dome.
  There are no user-serviceable parts within the camera module. Refer servicing to qualified service personnel. Handle the camera with care.Avoid dropping or shaking it. Improper handling or storage could damage the camera.
- Irrespective of whether the camera is in use or not, never face it towards the sun. Use caution when operating the camera in the vicinity of spotlights or other bright lights and light reflecting objects.
- Do not operate the camera beyond its temperature, humidity or power source ratings.

RoHS Announcement

All lead-free products offered by the company comply with the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive, which means our manufacture processes and products are strictly “lead-free” and without the hazardous substances cited in the directive.

The crossed-out wheeled bin mark symbolizes that within the European Union the product must be collected separately at the product end-of-life. This applies to your product and any peripherals marked with this symbol. Do not dispose of these products as unsorted municipal waste.

CE Mark

This apparatus is manufactured to comply with the radio interference. The company does not warrant that this manual will be uninterrupted or error-free. We reserve the right to revise or remove any content in this manual at any time.
For use with listed Audio Video products and only connected to a 15W or less power supply.
The power supply should be a NEC Class 2 / LPS Supply.

Packing list

- Torx driver x 1
- D5 fixing screws x 3
- T6 fixing screw(for dome lid) x 1
- Wall plugs x 3
- Power lead x 1 (for non-UTP module ONLY)
- Rubber grommet x 1
  (3/4”, for dome base use pre-installed)

Optional Accessories

There are optional accessories available for this series
- Quick Install Pipe (1/2” dust-proof rubber grommet supplied)
- Service Cable

V531-DE000-004
Ver.05/2009

Template

Surface mount (In a wall or ceiling)

Using Base Cable Entry:
Create an aperture in the mounting surface to a diameter of 3/4” (19.05mm) as indicated by **“T5”**.

Using screws: Create three holes at template positions ‘**D5**’ of diameter ¼ (7.5mm) and insert a wall plug into each. Use three **D5** screws.

Cable access

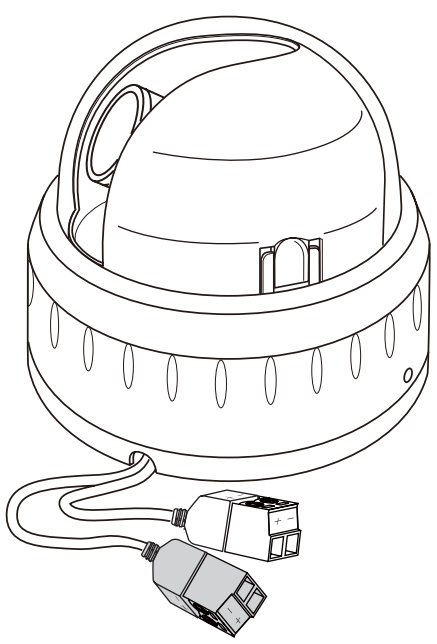
The cables are threaded through the base knockout grommet (B4) in figure B overleaf.
The cable can be passed through the mounting surface (B5), or passed through one of the side knock-outs (B3) when mounting to a solid surface. Refer to “Cable - Side Exit” overleaf for details on how to open the side knockouts.

If the dome is to be mounted using the optional Quick-Install Pipe, the supplied 3/4” rubber grommet (B4) should be removed.

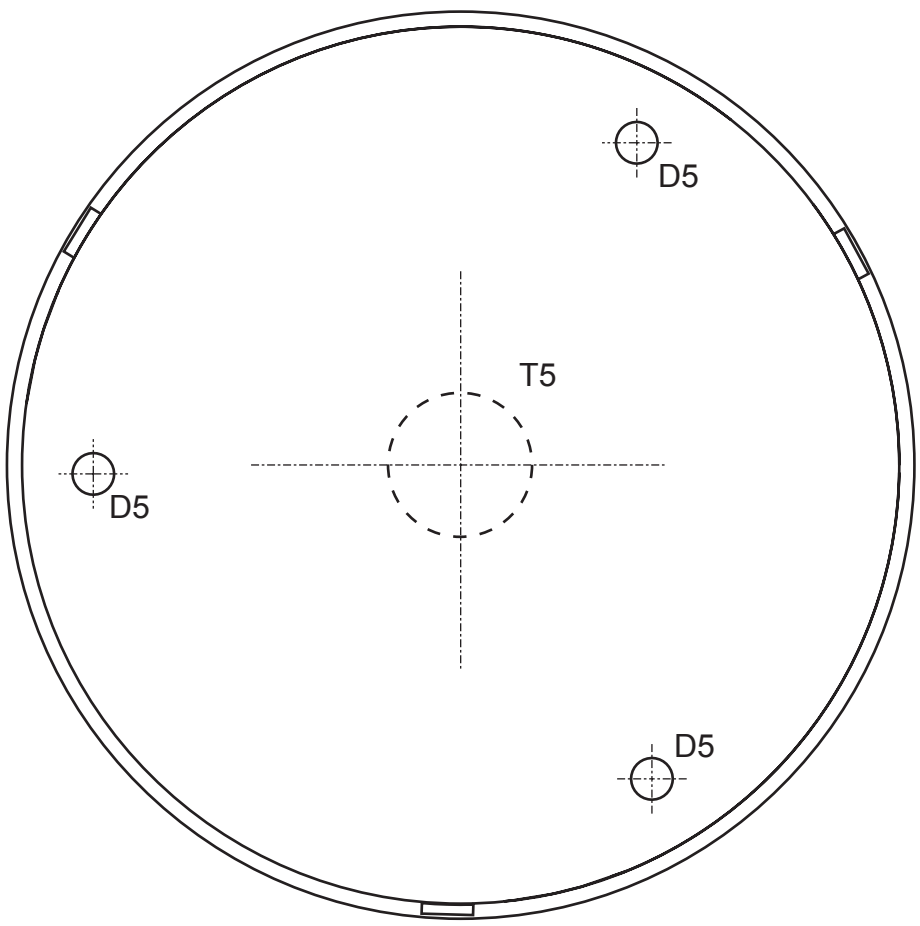
High Resolution Varifocal Lens

Indoor Mini Dome

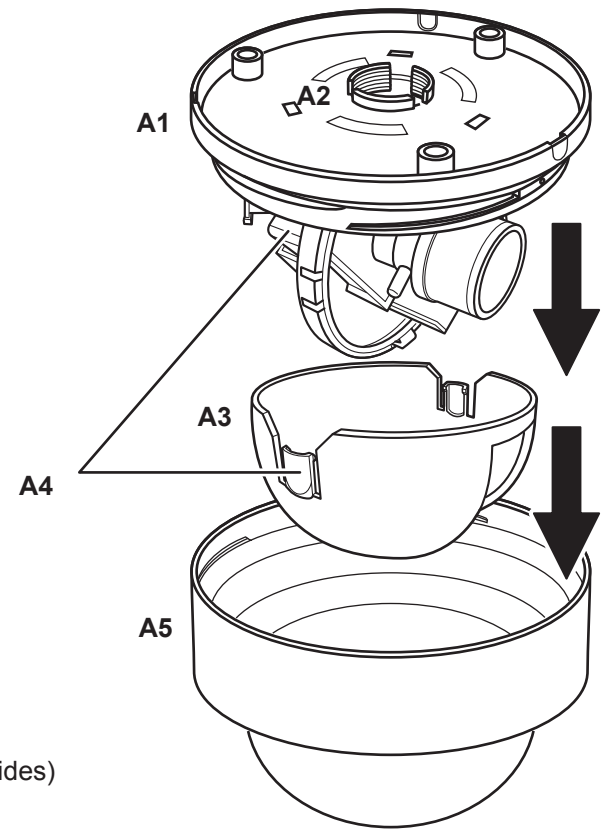
Enclosure Installation Sheet



RoHS

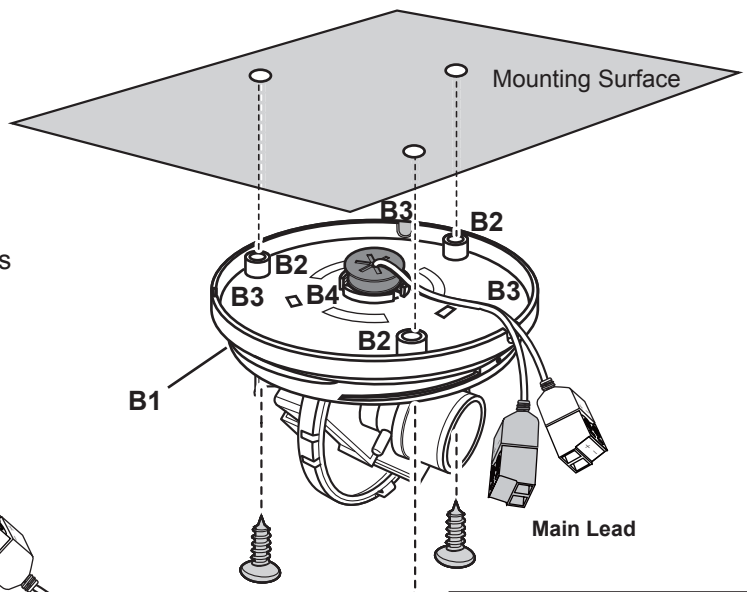


A



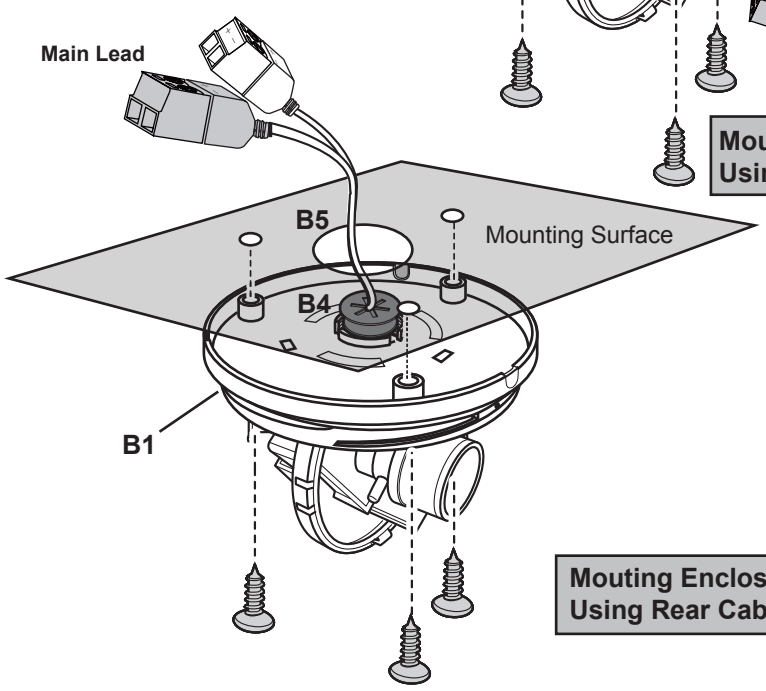
A1: Dome base
A2: Rear cable exit
A3: Bubble liner
A4: Notches (on both sides)
A5: Dome cover

B



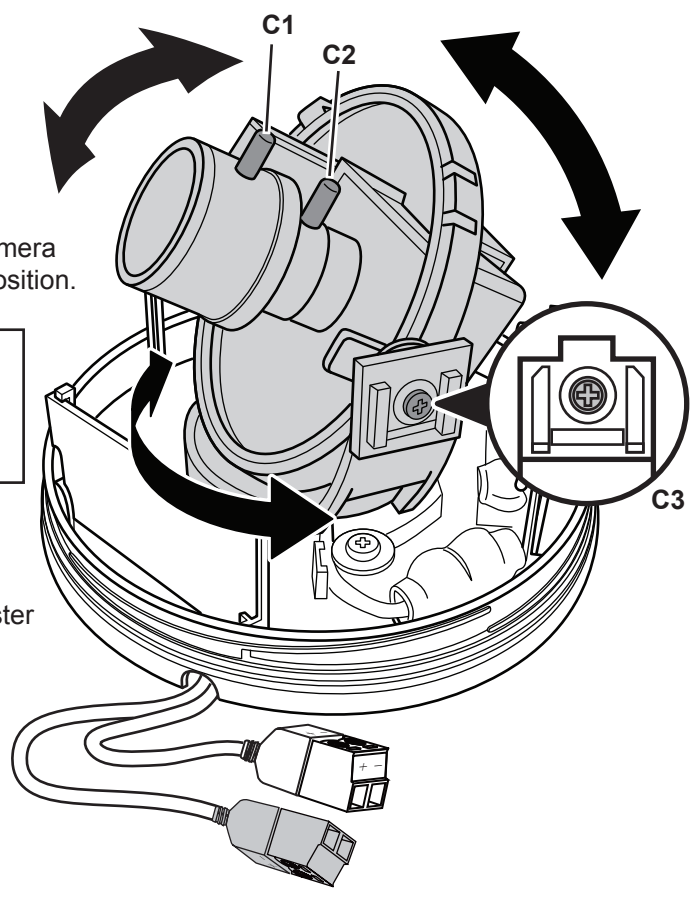
B1: Dome base
B2: Screw access holes
B3: Side knock-out
B4: Rubber grommet
B5: Rear cable exit

Mounting Enclosure Using Side Knock-Out



Mouting Enclosure Using Rear Cable Exit

C



Rotate and pan the camera base to the required position.

Do not attempt to adjust the camera position by holding the lens as this will cause damage to the camera.

C1: Focus Adjuster
C2: Field of View Adjuster
C3: Positioning Screw (both sides)

Installing The Dome Enclosure

1. Remove the dome cover and the bubble liner
Gently turn the dome cover counter-clockwise to unlock and pull free of the dome base.
Remove the bubble liner by gently pulling it free of the two notches (**A4**) in the camera base (see fig **A**).

2. Use the template to mark-out and prepare the mounting area
When mounting the dome to a ceiling or wall using screws, first knock out the screw access holes (**B2**) that correspond to the template marks "**D5**". This can be done by using a cross-point screw driver.

3. Cable entry - Using Rear Exit
If the cable is to be passed through the mounting surface, a hole (**B5**) must first be cut with a hole cutter. Use the circle "**T5**" on the Template to mark the correct position.

4. Cable entry - Using Side Exit
If the cable is to exit at the side of the dome, use a tool or side cutter pliers to cut one of the side knock-outs (**B3**) to the size required to allow cable exit.
*****Be careful not to hurt yourself or damage the camera when using tools.**

5. Mount the dome enclosure.
Feed the pre-connected main lead (that feeds into the connections **E1** and **E2**) through the rubber grommet (**B4**) to the appropriate point. Use the supplied securing screws to fix the dome enclosure in place.

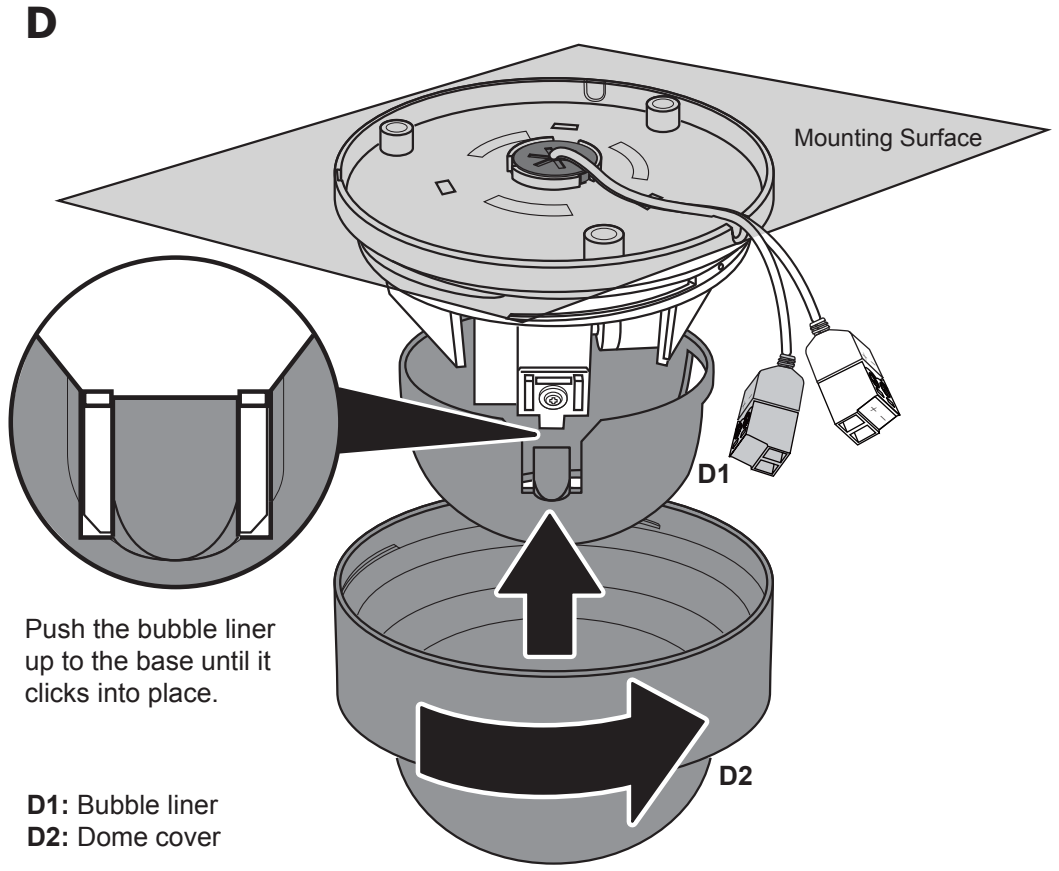
6. Connect the wiring
There are three cable connection alternatives (section **F1/F2/F3** overleaf, depending on the model chosen): Standard BNC and barrel connector or for UTP applications, Screw terminals or RJ45 Connector.
Connect the pre-connected main lead (that feeds into the connections **E1**/ or **E5**) to your video out and power in cables (section **F1/F2** overleaf).
For UTP video output with screw terminals, use the blue terminal block (**E4**), insert the wires into the terminals then secure the screws. For UTP RJ45 connections, ensure the connections are as detailed in "**F3**" CAT5 UTP cable can then be used to connect to the receiver.
*****ALWAYS CHECK FOR CORRECT POWER & VIDEO POLARITY BEFORE CONNECTION.**

7. Adjust the camera position
You can adjust the camera position by rotating and panning the camera base (see fig. **C**). To adjust the tilt angle, first loosen the 2 screws on the gimble (**C3**) and make your adjustments then retighten the screws.
Note: Do not attempt to adjust the camera position by holding the lens as this will cause damage to the camera. Make adjustments by tilting and rotating the gimble assembly.
The focus and field of view of the lens can be adjusted by slackening and then pushing the levers (**C1** and **C2**) on the lens in the required direction.

8. Install the bubble liner
Carefully fit the bubble liner (**D1**) over the camera base so that it snaps into place (see fig. **D**) and does not obstruct the camera lens.

9. Replace the dome cover
Replace the dome cover (**D2**) and rotate to close it as shown in fig **D**. Use the supplied **T6** screw to secure the whole enclosure (see fig. **E**)

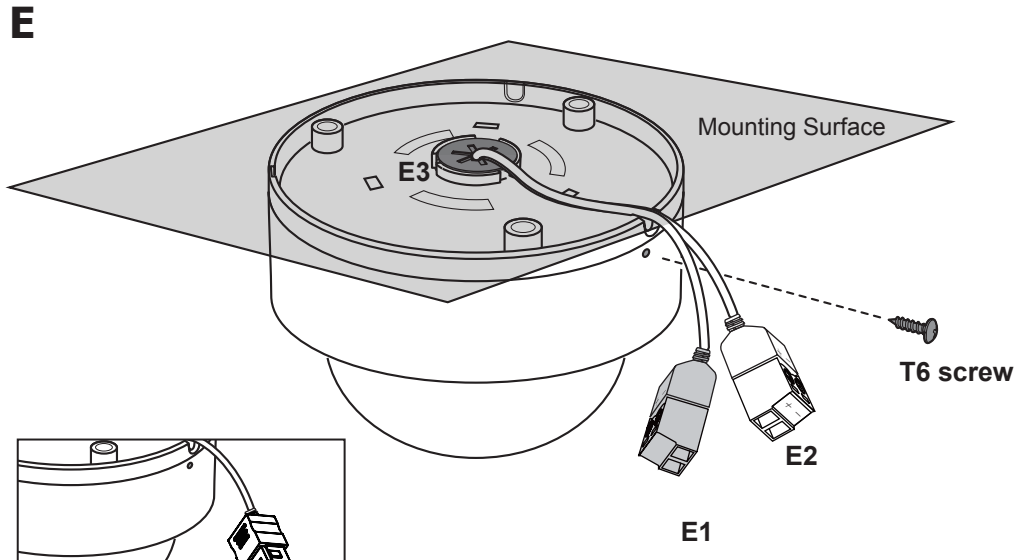
D



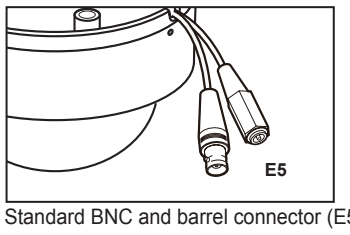
Push the bubble liner up to the base until it clicks into place.

D1: Bubble liner
D2: Dome cover

E



The RJ45 Connector (E4)



Standard BNC and barrel connector (E5)

E1: UTP Video Output Terminal Block (blue)
E2: Power Input Terminal Block (green)
E3: Rubber grommet (3/4")
E4: RJ45 Connector
E5: Standard BNC and barrel connector