



## VA Series Quick Guide

# Analogue Camera Range



## Before You Begin

Please read this guide before installing or operating the product. You must have knowledge of CCTV, IT and electrical wiring and products.

### Technical Support

If you still have questions after referring to the guide, or require more information, please contact Vista Technical Support or use the QR code.

**Vista Technical Support +44 (0) 118 912 5125**

**Norbain SD, Inspired, Easthampstead Road,  
Bracknell, Berkshire RG12 1YQ**



\* **WARNING:** Improper use can cause severe bodily injury or equipment damage.

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This guide is intended for multiple product models. Illustrations and descriptions, etc may vary from actual appearance.

<b>Bullet</b>	VA-B5MP28V12IR VA-B2MP28V12IR	<b>Dome</b>	VA-D5MP28V12IRVR VA-D2MP28V12IRVR
<b>Turret</b>	VA-T5MP28V12IR VA-T2MP28V12IR	<b>Box</b>	VA-X2MP

## 1. Packing List

Please contact Norbain if any items are missing or damaged and note contents will vary according to each camera model number.

- Camera
- Fixing Screws
- Template\*<sup>1</sup>

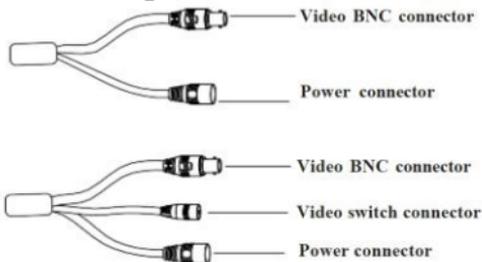
\*<sup>1</sup> Drilling template supplied according to camera type

## 2. Safety and Maintenance Instructions

- Use only correctly rated PSU meeting requirements shown in section 5. titled ***Power Requirements Per Camera Model***
- Keep lens cover in place until installation completed - prevent damage.
- Ensure power cable lengths are within specification for correct operation to avoid power loss and excessive voltage drop.
- Ensure wall, ceiling and fixings are adequate to support the weight of the camera and any bracket.
- Remove dust from the lens gently using oil-free brush or blower.
- Do not use organic solvents (benzene\alcohol) to clean bubbles etc.

## 3. Cable and Video Mode Selection

The below two cable arrangements are shown for reference.



For cameras provided with a video output switch, you can change the cameras video output format from the default TVT. Refer to the label as well as below;

1. Power up camera and connect to your DVR/test monitor.

2. Once powered up, unscrew weatherproof cover and press & hold button for 5-seconds to change video format to the next in the sequence; AHD, CVI, CBVS, TVT.
3. Repeat until required video format is selected and you can view your camera image correctly.
4. Refit the weatherproof cap.

## 4. Drilling and Mounting

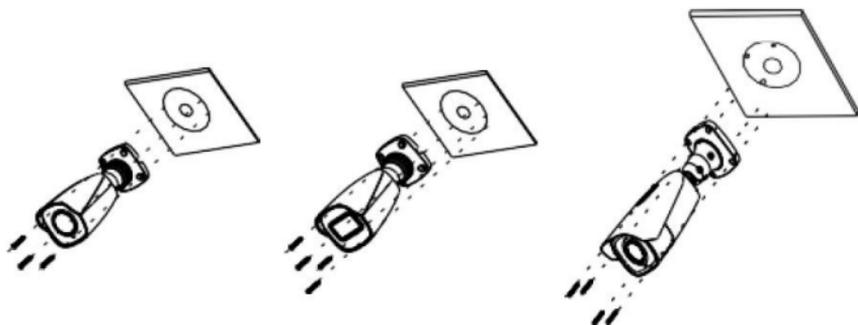
Refer to the relevant dome, bullet, turret or box camera section for fixing your camera.

Before you start, please make ensure the wall or ceiling is strong enough to withstand three times the weight of the camera and bracket.

# BULLET CAMERAS

VA-B5MP28V12IR, VA-B2MP28V12IR

1. Referring to the image of your camera below - drill screw holes according to the camera base or supplied template.
2. Drill hole for cable then route the cable and connect.
3. Secure mounting base of camera to the wall with screws as shown.



4. Preview the camera's image via test monitor and adjust bracket as required. Loosen the fixed ring or screws (below) to adjust the viewing angle of the camera.



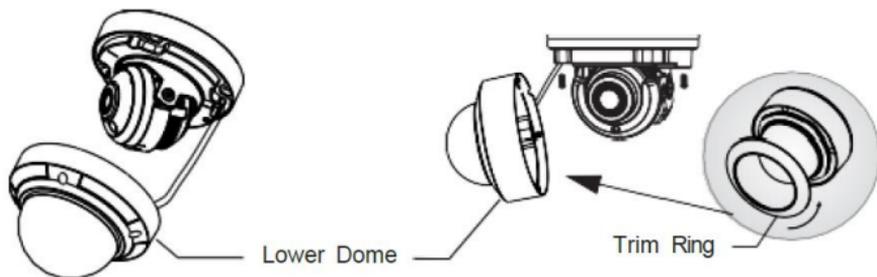
For this series of camera, the optional junction box, VA-B, can be used instead to mount the camera to the required surface or conduit.

**Now go to section titled 4. Power-up and Focus/Zoom Camera**

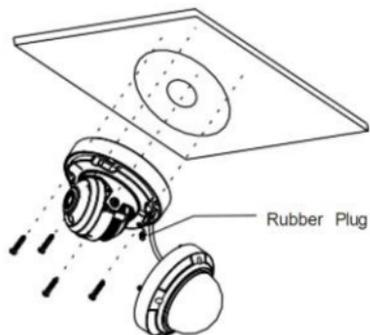
## DOME CAMERAS

VA-D5MP28V12IRVR, VA-D2MP28V12IRVR

1. Drill screw holes according to the holes of the mounting base of the camera, or template if supplied, as well as the camera's cable.
2. Remove the lower dome of the camera by removing the screws (lower left image). If screws are not visible, then your camera has a trim ring that needs to be removed first – simply rotate trim ring anticlockwise to remove it (below right). The screws will now be exposed.



3. Route and connect the cables.
4. Secure the mounting base of the camera to the wall with screws as shown below.



5. Connect the video and power cables.
6. Preview the image of the camera on a monitor and adjust the camera as required via the three-axis adjustment (below).



7. Re-fit the domes bubble to the camera using the reverse of the procedure you followed in step 2 – remembering to refit the trim ring if one was included.
8. Finally, remove the protection film to finish the installation.

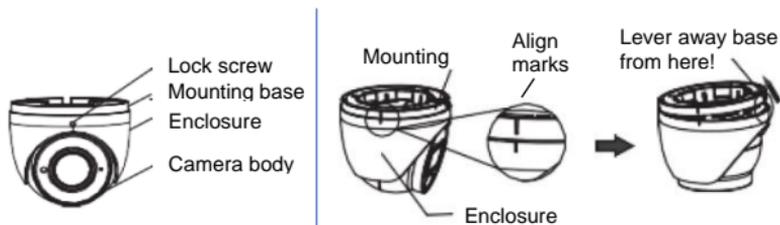
For this series of camera, the optional junction box, VA-D, can be used instead to mount the camera to the required surface or conduit.

**Now got section titled 4. Power-up and Focus/Zoom Camera**

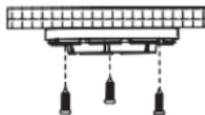
# TURRET CAMERAS

VA-T5MP28V12IR, VA-T2MP28V12IR

1. Drill screw holes according to the holes of the mounting base of the camera, or template if supplied, as well as for the cables.
2. Remove the mounting base of the camera – noting there are two possible removal methods: either via lock screw or simple twist and aligning of marks (below).



3. Fix the mounting base of the camera to the surface (below).



4. Route and connect video and power cables, then offer camera up to the base, adjust until you receive the view required, then lock the camera into position using the reverse of step 2.

For this series of camera, the optional junction box, VA-T, can be used instead to mount the camera to the required surface or conduit.

**Now go to section titled 4. Power-up and Focus/Zoom Camera**

# Box Camera

VA-X2MP

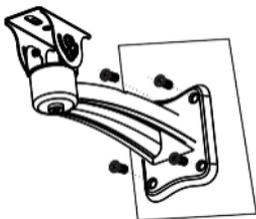
Fixing of the box camera is entirely dependent upon your chosen box camera bracket or housing. The below example acts as a basic guide only and you must use instructions supplied with your chosen bracket or housing.

1. Attach your chosen CS lens to the box camera body and connect the P-plug to the cameras socket.

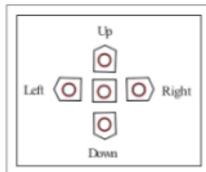
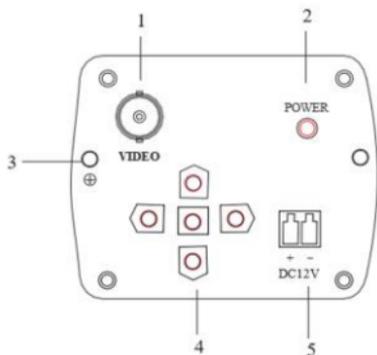


**Note:** C-mount lens requires you to supply a C/CS adapter ring.

2. Drill screw holes relevant for your bracket/housing, as well as any holes for the cables.
3. Fix bracket to wall/surface and route cables.



4. Connect power and video to the camera using the following guide.



- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>1. Video Out<br/>TVI/AHD/CVI/CVBS</li> <li>3. Power Indicator</li> </ul> | <ul style="list-style-type: none"> <li>2. Ground</li> <li>4. OSD navigation<br/>and video format<br/>switch</li> <li>5. Power input</li> </ul> |
|---|--|

### Switching video output format

To change video format, press and hold the relevant key;

- |        |                         |
|--------|-------------------------|
| CVBS = | Left key for 5 seconds  |
| CVI =  | Up key for 5 seconds    |
| AHD =  | Right key for 5 seconds |
| TVI =  | Down key for 5 seconds  |

Focus and zoom the lens according to the lens manufacturer's instructions.

Continue to the next section, **4. Power-up and Focus/Zoom Camera**, for details of gaining access to the camera's OS menu via the Vista VA-DVR to make any other required changes.

## 4. Power-up and Focus/Zoom Camera

If you followed the previous sections to install your camera correctly, you should already have power to your camera and a video signal output.

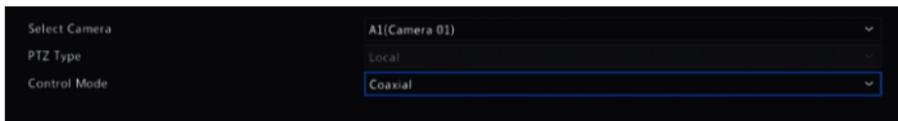
Follow the below to connect the camera to your Vista VA-DVR and to use PTZ features to remotely zoom and focus your camera to complete the installation.

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Note: the following assumes you have already installed and setup your VA-DVR correctly

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1. Connect the cameras BNC video cable to the required analogue input port on the DVR.
2. Login to the VA-DVR as admin
3. Goto/click menu options **Menu > Camera > PTZ** (below screen will be displayed)

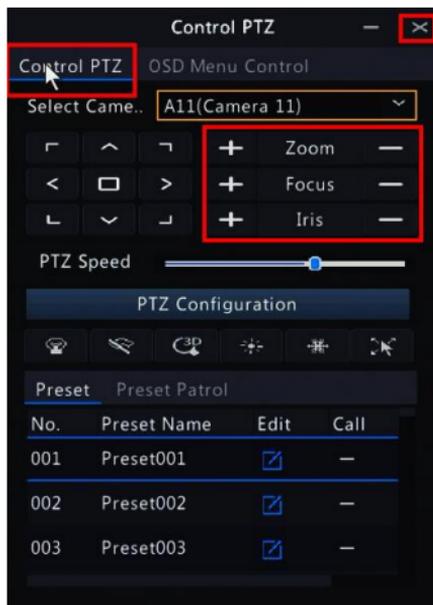


4. Select the camera channel number for the camera you just connected – click and select from the dropdown window. Next choose Control Mode and select Coaxial.
5. Save the setting and return to the DVRs Live screen.
6. Confirm the new camera is now displayed correctly on the DVRs Live screen. Investigate if not.

7. Highlight the camera in the Live view and click the PTZ icon on the quick menu bar (right). 
8. From the displayed pop-up menu, click the below Coaxial Control menu option.



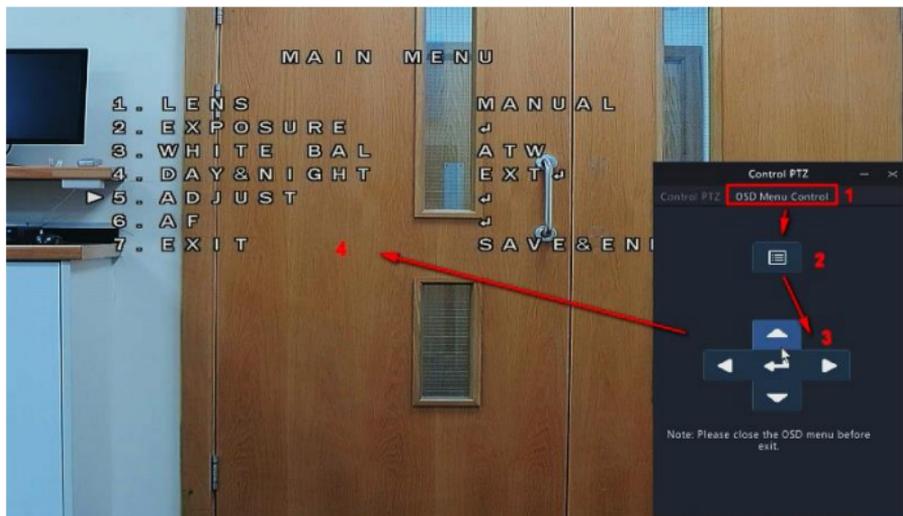
9. Referring to the Control PTZ tab and panel (right), simply click the zoom, focus and iris controls to adjust the camera for the required angle of view.



## ACCESSING CAMERA MENU

Additionally, you can directly access the cameras menus in order to access and change all configuration options possible – including resolution, FPS, day/night operation etc.

10. While still in the Control PTZ dialogue box (previous example), simply click the TAB to the right titled **OSD Menu Control** (below right). Use the resulting on-screen virtual joystick to navigate the camera menus - use the  virtual button to enter the currently selected menu or change to the option currently highlighted.



***Note! Always remember to save any settings changes and exit and close the cameras menus correctly, and fully, before proceeding to the next step and closing the VA-DVRs Control PTZ menu!***

11. Once set, click X (top-right) to close the menu.

This completes the procedure. Remember to check any recording schedule to confirm your camera will record as required.

## 5. Power Requirements Per Camera Model

CAMERA MODEL	PSU Minimum
VA-B5MP28V12IR	12VDC @ 1Amp
VA-B2MP28V12IR	12VDC @ 1Amp
VA-D5MP28V12IRVR	12VDC @ 1Amp
VA-D2MP28V12IRVR	12VDC @ 1Amp
VA-T5MP28V12IR	12VDC @ 1Amp
VA-T2MP28V12IR	12VDC @ 1Amp
VA-X2MPIR	12VDC @ 1Amp



Where applicable, a Declaration of Conformity in accordance with Directives 2014/30/EU (EMC), 2014/35/EU (LVD) and 2015/863/EU RoHS(3) has been made and we declare the product compliant.

**RoHS**  
COMPLIANT

Where applicable, the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive: 2015/863/EU have been met and the product is without the hazardous substances cited in the directive.

**Our CE EU-Authorised Representative: Comply Express Unipessoal LDA, Startup Madeira - EV141, Campus da Penteadá, 9020-105 Funchal, Madeira, Portugal"**



Symbolizes that within the European Union the product must be collected separately at the product end-of-life. Do not dispose of these products as unsorted municipal waste.



**UK**  
**CA**

A UK Declaration of Conformity in accordance with GB UKCA standards has been made. The manufacturer declares that the product supplied with this document is compliant with the provisions of the Electromagnetic Compatibility Regulations 016, and where applicable, the Electrical Equipment (Safety) Regulations 2016 Directives.

**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.**

No liability will be accepted by Vista for any errors or omissions in this information and reserves the right to make changes to the product and its specification from time to time without prior notice.