

HD-TVI Dome Camera

User Manual

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

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

Privacy Notice

that your use of this product conforms. this product for surveillance purposes to ensure all relevant laws in your jurisdiction before using Surveillance laws vary by jurisdiction. Check

camera parameters and functions. Please refer to the product specification for

Regulatory Information

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

FCC Conditions

Rules. Operation is subject to the following two This device complies with part 15 of the FCC

- 1. This device may not cause harmful interference
- This device must accept any interference cause undesired operation. received, including interference that may

EU Conformity Statement

supplied accessories too are marked with "CE" and comply therefore with This product and - if applicable - the the applicable harmonized Europear

2006/95/EC, the EMC Directive 2004/108/EC, standards listed under the Low Voltage Directive the RoHS Directive 2011/65/EU.



municipal waste in the European Union. For proper recycling, return this product to your local supplier Products marked with this symbol cannot be disposed of as unsorted 2012/19/EU (WEEE directive):

or dispose of it at designated collection points. upon the purchase of equivalent new equipment For more information see: www.recyclethis.info 2006/66/EC (battery directive):This

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

more information see: www.recyclethis.info.

1 Introduction

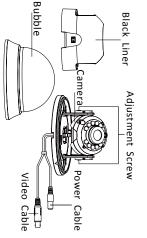
1.1 Product Features

makes it suitable for surveillance system and low image distortion and low noise, etc., which design technology. It features high resolution, sensor with high sensitivity and advanced circuit image processing system. This series of camera adopts new generation

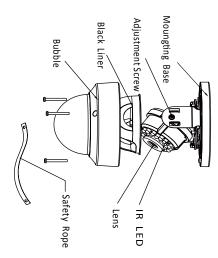
- High performance CMOS sensor and high resolution bring high-quality image;
- Low illumination;
- OSD menu, parameters are configurable;
- Support auto white balance, auto gain control,
- Support image effect adjustment;
- Unit transmission control;
- Advanced 3-axis design meets different installation requirements.

1.2 Overview

1.2.1 Overview of Type I Camera



1.2.2 Overview of Type | | Camera



2 Installation

Before you start:

- Please make sure that the device in the package are included. is in good condition and all the assembly parts
- Make sure that all the related equipment is power-off during the installation
- Check the specification of the products for the installation environment.
- Check whether the power supply is matched with your power output to avoid damage.
- Please make sure the wall is strong enough to and the mounting. withstand three times the weight of the camera
- If the wall is the cement wall, you need to insert self-tapping screw to secure the camera. expansion screws before you install the camera. If the wall is the wooden wall, you can use
- If the product does not function properly, please contact your dealer or the nearest for repair or maintenance by yourself. service center. Do not disassemble the camera

2.1 Installation of Type I Camera

 Pry the snap joint up to remove the bubble Snap Joint

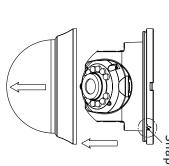


Figure 2-1 Remove the Bubble

2.Drill the screw holes and cable hole according to the drill template

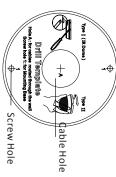


Figure 2-2 The Drill Template

3.Align the base plate with the mounting template and secure it with supplied self-tapping screws.

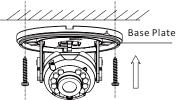


Figure 2-3 Fix the Camera to the Ceiling

- 4. Route the cables through the cable hole.
- 5. Connect the corresponding cables.
- 6. Adjust the camera according to the figure below to get an optimum angle.



Figure 2-4 3-axis Adjustment

8. Push the black liner and bubble toward the camera and buckle them upon to secure them on the camera.

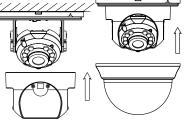


Figure 2-5 Complete the Installation



Rotate the bubble after completing the Installation may change the postion of the lens.

2.2 Installation of Type II Camera

 Loosen the screws on the bubble to remove the bubble and the black liner.

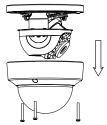


Figure 2-6 Remove the Bubble

2.Drill the screw holes and cable hole on the ceiling according to the supplied drill template.

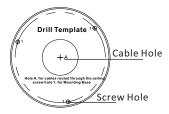


Figure 2-7 Drill Template

3.Align the base plate with the mounting template and secure it with supplied self-tapping screws.



Figure 2-8 Fix the Camera to the Ceiling

- 4. Route the cables through the cable hole.
- 5. Connect the corresponding cables.
- 6. Adjust the camera according to the figure below to get an optimum angle.

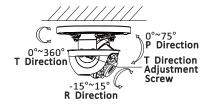


Figure 2-9 3-axis Adjustment

8. Fit the black liner and bubble on the camera.



Figure 2-10 Complete the Installation

3 Menu Operation

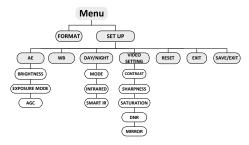


Figure 3-1 Main Menu



With a coaxial camera controller (purchase separately) or calling the preset No.95 you can select the menu and adjust the camera parameters.

3.1 FORMAT

You can set the format as PAL/NTSC.

3.2 SET UP

Move the cursor to **SET UP**, and press menu button to enter the SET UP sub menu.

3.2.1 AE

Move the cursor to AE, and you can adjust the image brightness by the **BRIGHTNESS**, **EXPOSURE MODE**, and **AGC**.

Brightness:

Brightness refers to the brightness of the image.

Exposure Mode:

Move the cursor to **Exposure Mode**, you can select the exposure mode between **Globe** and **BLC**.

When BLC is selected as the exposure mode, the level of BLC mode can be adjusted, as shown in the Figure 3-2.

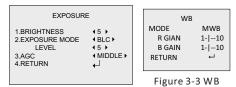


Figure 3-2 EXPOSURE

AGC:

AGC optimizes the clarity of image in poor light scene. AGC level can be set as OFF, LOW, MIDDLE and HIGH.

3.2.2 WB

Move the cursor to WB, and you can set White Balance mode as **AWB** and **MWB** in this menu.

AWB: white balance is being adjusted automatically.

MWB: Set the **R GAIN/B GAIN** value from 1 to 10. As shown in Figure 3-3.

3.2.3 DAY & NIGHT

Move the cursor to DAY & NIGHT, and select COLOR, B/W, or SMART as the DAY & NIGHT mode.

COLOR: The image is colored in day mode all the time.

B/W: The image is black & white all the time, and the IR LED turns on in the low-light conditions. **SMART**: Select to turn on/off the INFRARED LAMP

and to set the Smart IR level from 1to 16.
As shown in Figure 3-4.

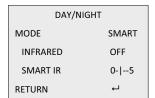


Figure 3-4 DAY/NIGHT

3.2.4 VIDEO SETTING

Contrast:

Contrast enhances the difference in color and light between parts of an image.

You can set the value from 1 to 10.

Sharpness:

Sharpness determines the amount of detail that an imaging system can reproduce.

You can set the value from 1 to 10.

Saturation:

You can set the saturation level of the image. The value is from 0 to 10.

DNR:

DNR decreases the noise effect, especially in low light conditions and delivers more accurate and sharp image quality. You can set the value from 0 to 7.

Mirror:

You can set the Mirror status as H, V, HV, or OFF.

3.2.5 Reset

Reset all the settings to the default.

3 2 6 FXIT

Exit and Save & exit are selectable.

3.2.7 SAVE/EXIT

Move the cursor to **SAVE & Exit**, and press OK to save the settings and exit the menu.