

# HD 4N1 Mini PTZ camera

Quick installation guide  
V1.0.0

## Warranty card

Product name: \_\_\_\_\_ Purchasing Date: \_\_\_\_\_  
 series : \_\_\_\_\_ User: \_\_\_\_\_  
 Address: \_\_\_\_\_ Contact: \_\_\_\_\_  
 Tel: \_\_\_\_\_ Postal Code: \_\_\_\_\_  
 Dealer: \_\_\_\_\_ Fax: \_\_\_\_\_

Thank you for purchasing our product. This is the warranty card for free fixing.

Expired Date: \_\_\_\_\_

### Contents:

This warranty card applies for all company products.

- Before the expired date, please feel free to contact with us if there is any breakdown in quality about the product.
- After purchasing, please send back the warranty card with all contents filled to our company via mails or fax in time, and your product can be maintained or replaced for free. Otherwise, we refuse to deal with it.
- Please fill this warranty card carefully since we will use the information written on it.
- You have to pay for fixing if it is in these circumstances:
  - Device damages caused by individuals
  - Device damages caused by using in inadequate environment
  - Device damages caused by irresistible force
  - No warranty card
  - Pass the expired date.



## PREFACE

### Summary :

document describes unpacking inspection device structures installation and quickconfiguration tool in details

### Signal instruction :

these symbols may appear with meanings as following

| SIGNAL | INSTRUCTION   |
|--------|---|
|        | High potential damage. If irresistible, it will harm users with high damages.   |
|        | Intermediate or low potential damage. If irresistible, it will harm users with low damages.                               |
|        | Potential damage. If neglected, it may cause damages on devices, data lost, weaken performance, or unforeseeable results. |
|        | Sensitive devices for static.   |
|        | High voltage.   |
|        | High laser radiation.   |
|        | Helps for solving problems or saving your time.   |
|        | Extra information for the contents.   |

## Important Safety Notices

He following contents are specification for using the devices correctly please read these notices and warnings carefully and obey while using it

### ⚠ Attention :

#### 1.1 Power

- All installation and operation here should conform to your local electrical safety codes  
The power should conform to the requirement in the selv Safety Extra Low Voltage and the Limited Power Source rated 12V DC or 24V AC in the lec60950-1 (Refer to gener-al introduction)
- Please install the proper power cut-off device during the installation connection
- Before running the camera, please confirm the power installed correctly
- Please protect power cable being trampled or squeezed especially in the socket, and exit Junction

#### 1.2 Environment

- Avoid focusing on highlight (such as the sun or lights), otherwise it may cause over explosion phenomenon (this is not device's problem) or may damage camera's CCD (orCMOS)
- Please transport, use and store the camera under allowable temperate and humidityrange. Do not put the device under wet, dusty extremely hot or cold, strong electromag netic radiation or unstable lighting conditions etc
- Prevent water or other liquid falling into the camera
- please keep the ventilation around the device
- No heavy stress, violent vibration or water splash are allowed during the transportationand storage.
- When transporting the camera, it should use company packing or use same quality ma terial packing
- thunder-proof device is recommended to be adopted for preventing thunder better

### 1.3 Operation and maintenance

Do not dismantle the camera since no components inside which can be repaired by users  
Do not touch the CCD(CMOS)optic component directly you can use the blower to cleanthe dust on the lens surface If necessary, please gently clean the dust with dry clothwhich is slightly wet with alcohol  
Please use soft cloth to clean the device. For heavy dirt, please put little detergent on thecloth to clean and dry. Do not use volatile solvent, such as Alcohol, Benzene or Diluent-sor irritant and abrasiveness cleanser to clean the device. Otherwise, it will damage thedevice or weaken camera working performance  
The material of front cover is optic component please do not touch or clean the surfacedirectly For cleaning, please use professional optical cleaning method Inadaptable cleaning method (e. g. cleaning directly with cloth ) may result in a harmful effect on theinfrared function of the camera

### ⚠ Warning :

- Be sure to use all the accessories recommended by manufacturer and theinstallation and repairs should be conducted by professionals
- Please make sure the CCD(or CMOS) component is out of the radiationof laser beam devices. Otherwise it may result in damage on the component

## Special explanation

- Because our company continuously adopts new technolo-gies product parameterschange without prior notice. Some function of products may have slight differenceafter the updates.
- For receiving the latest procedures and additiona linstruction document please contact the company s customer service department.
- If there are any problems while using the camera, please feel free to contact the supplier or the company's customer service department.
- Because of the real environment and other unstable factors, some data may be differ-ent with instruction guide. If there are any questions and disputes please regard the Company's final explanation as the criterion.
- Please follow instruction guide, we are not liable for any problems caused byman-made damage  
This manual is for reference only. slight difference may be found in users interface

## Checking Box

### 1.1 Checking Steps

When user received the bullet PTZ Camera, please check whether it has obviously damageon the appearance of equipment Packing material can stand accidental Crash on transport.Please open the package and check all the components are included.Please reference the following form

### 1.2 Accessories

Be sure to use all the accessories recommended by manufac-turer

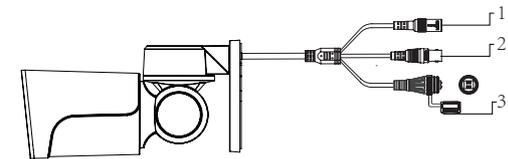
| Details | NO    |
|---------|-------|
| Camera  | 1 PCS |
| Manual  | 1 PCS |

Packing details

## 2 Equipment connect

### 2.1 Cable interface

You can refer to the following figure for multiple function combination cable informationSee Figure 2-1. there might be some differences among different serial products

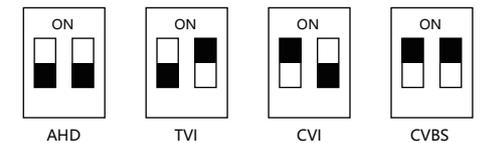
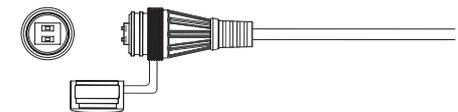


2-1 Cable Draft

| NO | Connector  | Function                           |
|----|------------|------------------------------------|
| 1  | Power      | Power connector input DC 12V Power |
| 2  | Video      | Video connector                    |
| 3  | DIP Switch | Setting mode with video            |

2-2 Cable function explain

4N1 Bullet PTZ Camera support with UTC (Video coaxial control ) ,support with 4 video mode output (AHD ,TVI ,CVI ,CVBS ) ,setting via DIP Switch



## 2.2 Structure size (Unit: mm)

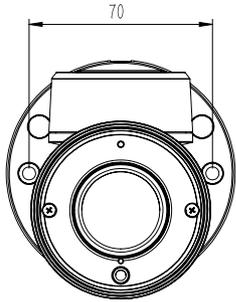


Figure 2-3 Dimension

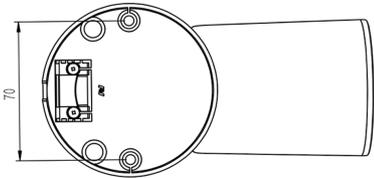


Figure 2-4 Dimension

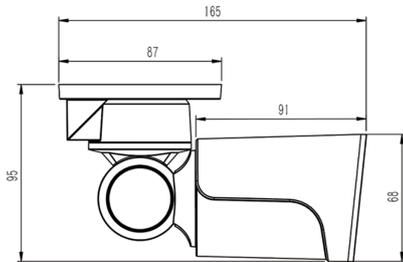


Figure 2-5 Dimension

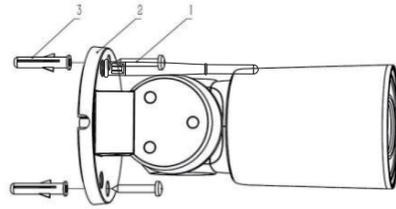
## 3 Equipment Install

The wall weight for install the camera ,must be can stand 3 times as much as the camera .

• Pls Choose cleanly ,smooth wall .Drilled hole according with the bracket hole . Putting with the bulged tube Then Fixed the camera under the ceiling .

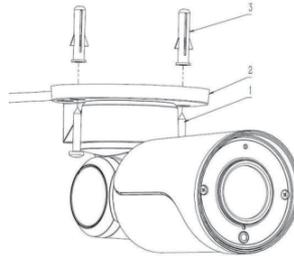
• Pls Choose cleanly ,smooth wall .Drilled hole according with the bracket hole . Putting with the bulged tube

Wall mounted



3-1 Draft dimension

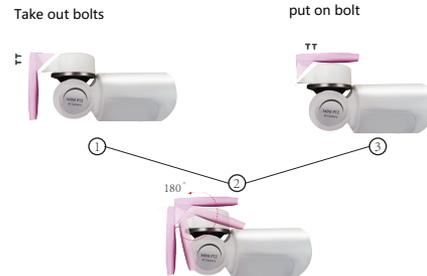
Ceiling



3-2 Dimension

## 4 Bracket change

The fault of the bracket is walled mounted ,For ceiling mounted ,if need,change it by urself . As picture ,take out 2 bolts ,motion the bracket with 180



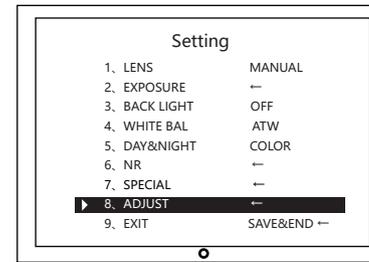
4-1 Equipment change draf

## 5 Camera setting

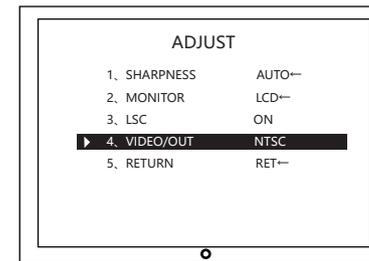
### 5.1 Using Preset command to set the camera

| NO | Function              | command            | explain  |
|----|-----------------------|--------------------|--|
| 1  | Menu                  | call 95            |  |
| 2  | IR Mode setting       | set 70 call N      | N : 1.Auto 2.Open , 3 close  |
| 3  | IR sensitivity settin | set 71 call N      | N : When open IR, setting the no 1-10 more small , the light needing with the environment are more smaller . |
| 4  | Reset /restart        | call 94 or call 74 |  |
| 5  | Factory default       | call 82 or call 62 |  |

### 5.2 Video system setting Pal or NTSC



Call 95 preset connect with OSD Menu --- Setting ---- Using DVR Control ---choose 8 adjust Then call 95 preset connect to " video adjust " revised then save . Connect to Video adjust ,choose 4 , NTSC/PAL adjust mode . Setting 95 preset ,confirm . Then choose 5 return choose 9 exit



## 6 Appendix

### Toxic or Hazardous Materials or Elements

| Component Name         | Toxic or Hazardous Materials or Elements |    |    |       |     |      |
|------------------------|--|----|----|-------|-----|------|
|                        | Pb                                       | Hg | Cd | Cr VI | PBB | PBDE |
| Circuit board assemble | ○  | ○  | ○  | ○     | ○   | ○    |
| Housing                | ○  | ○  | ○  | ○     | ○   | ○    |
| Connection Cable       | ○  | ○  | ○  | ○     | ○   | ○    |
| Packaging components   | ○  | ○  | ○  | ○     | ○   | ○    |
| Accessories            | ○  | ○  | ○  | ○     | ○   | ○    |

○: Indicate that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T11363-2006 standard.

×: Indicate that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is over the relevant threshold of the SJ/T11363-2006 standard. In the usage period, if users use this product correctly, these materials will not be harmful to users and their possession. Users are not allowed to deal with these materials or components. Please recycle these materials to corresponding departments ruled by laws.