# Coaxial HD Integrated ZOOM CAMERA

## ●FEATURES

### High Resolution

This camera use a high performance megapixel CMOS,which provides high resolution, clear, noiseless and reliable image; Effective pixels can reach 1.3/2 megapixel.

18X/22X/30X/36X Optional

### OSD Menu/Line control/RS-485 Control

Remote control operations are possible through RS-485 signal interface, also can control the lens by external control line.

### Day/Night

Camera will auto switch to color at daytime and B/W at night according to the environment illumination to ensure a high sensitivity and clear image.

### Auto Focus

Camera can auto focus from 0.1m to limitless distance.

### Built-in IR Color Filter

Built-in IR color filter which can fully enhance the day & night.

## ●Safety Instruction

Avoid using the camera in extreme temperature, the operating temperature shall be-10℃～+50℃ and keep ventilated;

Avoid using the camera in high humidity environments or it may cause a bad image;

Avoid using the camera in unsteady lighting.The camera will not work properly in places with great changes in illumination intensity;

Avoid using the camera in the presence of oil and gas.The camera will be damaged if oil or gas penetrates the exterior;

Do not disassemble the camera; If necessary, please disassemble it under the instruction of maintenance man;

Camera may be damaged if dropped or subjected to strong impact;

Avoid exposing the camera in the rain or liquid. Please dry it immediately when it gets wet. The minerals in the liquid would corrode the camera;

Avoid touching the lens and CMOS which is the most important parts of the camera. Keep the fingerprint and bolt away from the lens.

-Smear or blooming(when bright areas spreads out)may occur when photographing in strong light. i.e.car headlights,etc.
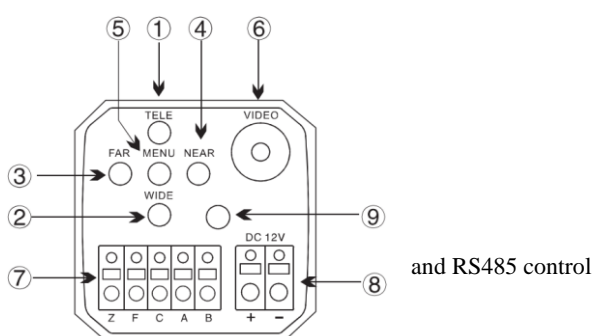
- Make sure that you are using a compatible power adapter before connecting it to the camera.
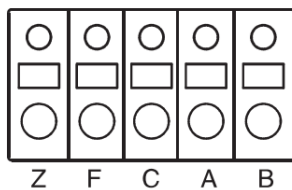
## ●Back Board

### Back board

Instruction

①TELE: Zoom near

②WIDE: Zoom far

③FAR: Focus far

④NEAR:Focus near

⑤MENU ON/OFF

⑥VIDEO Output

⑦Instruction of line control

⑧DC12V-Power Input

⑨PL-Power state LED



and RS485 control

## Control interface
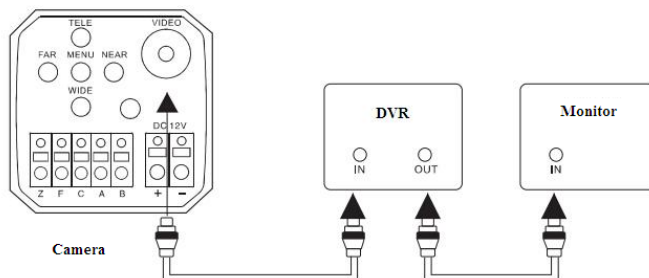
Z—ZOOM

F—FOCUS

C—COM

A—RS485+

B—RS485-



## ●Installation

### Connecting to DVR

Connect the video output jack on the back of the product to the DVR.



* The method of connecting the camera to a DVR varies depending on the cable model. Please refer to the instruction of the physical cable.

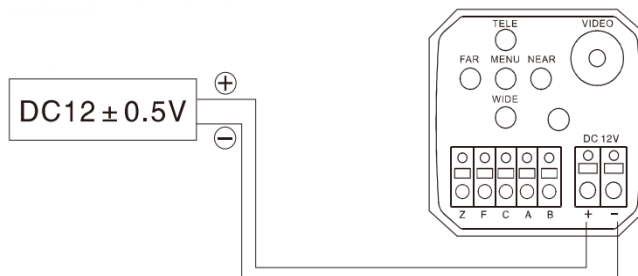* Please powered off before connecting.

### Connecting Power line and control line

DC power pack output and camera power supply input connecting as follow:

**ATTENTION**

Please take the attention on pole before connect power supply. Please finish any other setting before connect power supply.

DC adapter is needed to buy in addition.



## ●Menu Key

### How to operate

1.Press the MENU, the OSD menu will show on the screen of the monitor;

2.Switch the FAR and NEAR to change the status and parameter which you choose;

3.Press the MENU to exit the menu;

### Menu Setting

| LANGUAGE | CHINESE/ENGLISH |
|---|---|
| CAMERA ID | 001 |
| Z  DISPLAY | ON/OFF |
| DAY&NIGHT | CDS/COLOR/BK/AGC |
| FOCUS | KAUTO/MANUL/AUTO |

| BAUD RATE | 1200/2400/4800/9600/19200/38400 |
|---|---|
| NEG | OFF |
| FREEZ | OFF |
| SAT | 047 |
| SA | SAVE AND EXIT |

## ●Specifications

2.0Megapixel Coaxial HD Series

| Image sensor | 1/2.8" CMOS |
|---|---|
| Signal model | PAL/NTSC |
| Horizontal resolution | 1080P |
| Effective pixel | 1920(H) x 1080(V) |
| Minimum illumination | Color:0.01Lux          B/W:0.001Lux |
| S/N | >50dB |
| White balance | Auto |
| Electronic shutter | PAL:1/50~1/10000s    NTSC:1/60~1/12000s |
| Focus length | 3~90mm/3.9~140mm |
| Optical focus | 30X/36X |
| Focus mode | KAUTO/MANU/AUTO |
| Menu | Chinese/English |
| Power supply | DC12V/1A |
| Working Environment | -10℃～+50℃ |

SIZE：without housing                          with housing