

# HD-TVI

## Bullet Camera

Version 06.15

# HD-TVI

## Bullet Camera

### KEY FEATURES

- 1080p HD-TVI
- Main Output: HD-TVI
- 2nd Output: Analog
- 2.8-12mm Vari-focal Lens
- OSD Setup
- Day-Night w/IR
- D-WDR / 3DNR
- UTC
- DC12V
- Indoor / Ivory Housing

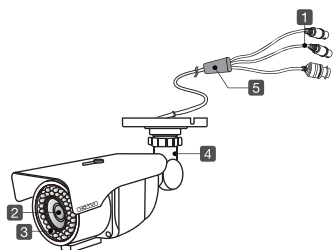


**CAUTION** : Any changes or modifications in construction of this device which are not expressly approved by the party

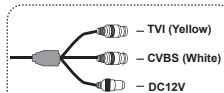
**NOTE** : This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment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

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### 1 Power Input Video Connectors

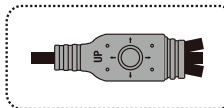


### 2 Lens

### 3 IR LED

### 4 Bracket

### 5 OSD Joystick

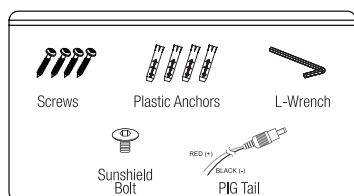


**REMEMBER**  
For longer, more consistent performance, avoid installation locations prone to direct sunlight.

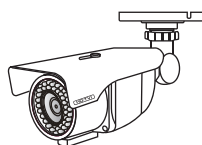
Before installing the camera, please make sure that all of the following items are included in the box.

### IR LED BULLET CAMERA

1. Bullet Camera
2. Sun Shield
3. Installation Manual



Mounting Accessories



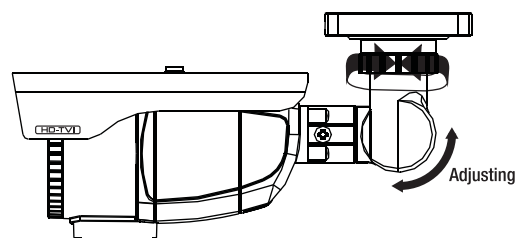
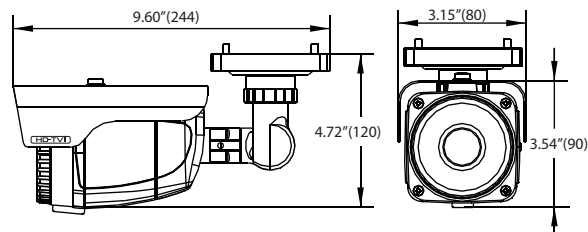
IR LED Bullet Camera

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For the specific camera dimensions, please refer to the diagram below.

Unit: Inch (mm)



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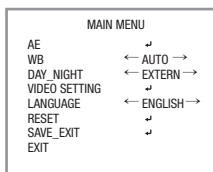
## Bullet Camera

|                       |                                  |
|-----------------------|----------------------------------|
| Imaging Sensor        | 1/3" CMOS                        |
| Effective Pixels      | 1920(H) x 1080(V)                |
| Dynamic range         | 90dB                             |
| Video Frame Rate      | 25 / 30 fps@1080P                |
| Video format          | NTSC                             |
| Mini-illumination     | OLLUX (IR ON)                    |
| S/N Ration            | More than 50dB (with AGC OFF)    |
| OSD                   | English / Chineses               |
| AGC                   | AUTO                             |
| White Balance         | AUTO                             |
| Backlight             | AUTO                             |
| NR                    | 2DNR / Y-NR / C-RN               |
| Brightness            | Adjustable                       |
| Day/Night             | EXTERN / INTERNAL / COLOR / MONO |
| Sync code             | Internal                         |
| DAY/NIGHT             | Support ICR                      |
| Video output          | TVI / CVBS                       |
| OPERATING TEMPERATURE | -10℃~50℃RH90% MAX                |
| STORAGE TEMPERATURE   | -20℃~70℃                         |
| Lens                  | 2.8-12mm Varifocal Lens          |
| Input Voltage         | DC12V                            |
| IR LEDs               | 36                               |
| IR LEDs Distance      | 100ft                            |

# HD-TVI

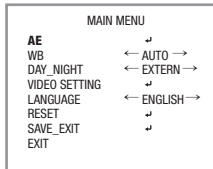
## Bullet Camera

You may select the OSD menu items to adjust by using OSD buttons for your desire.  
To use OSD menu, press SET button and SET UP will appear as shown on the screen.

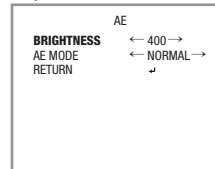


Move the arrow to select functions by use  
UP/Down & LEFT/RIGHT buttons.

### AE

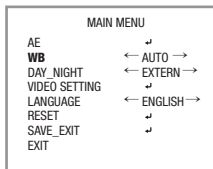


### AE ; BRIGHTNESS



- 1) BRIGHTNESS - 400 -  
-> 256 ~ 1024
- 2) AE MODE - NORMAL -  
-> BACK LIGHT / FRONT LIGHT / NORMAL
- 3) RETURN

### WB



- 1) WB - AUTO -  
-> AUTO / GRAY WORLD

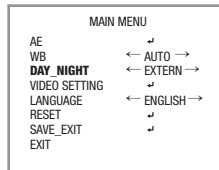
3

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# HD-TVI

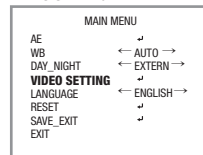
## Bullet Camera

### DAY/NIGHT

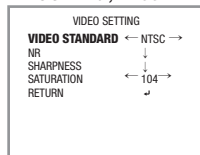


- 1) DAY / NIGHT - EXTURN -  
-> COLOR / MONO / INTERNAL / EXTURN

### VIDEO SETTING

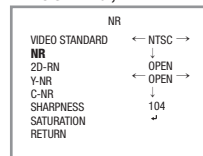


### VIDEO SETTING ; VIDEO STANDARD



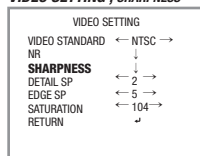
- 1) VIDEO STANDARD - NTSC -  
-> NTSC / PAL

### VIDEO SETTING ; NR



- 1) 2D- NR - OPEN -  
-> OPEN / CLOSE
- 2) Y - NR - OPEN -  
-> OPEN / CLOSE
- 3) C- NR -OPEN-  
-> OPEN / CLOSE

### VIDEO SETTING ; SHARPNESS

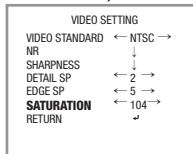


- 1) DETAIL SP - 2 -  
-> 0 ~ 15
- 2) DETAIL SP - 5 -  
-> 0 ~ 15

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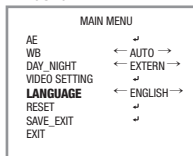
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### VIDEO SETTING ; SATURATION



- 1) SATURATION - 104 -  
-> 0 ~ 504

### LANGUAGE



- 1) LANGUAGE  
-> ENGLISH / CHINESES

### RESET

### SAVE\_EXIT

### EXIT

5

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