

# 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
- Outdoor / Ivory Housing



# HD-TVI

## Bullet Camera

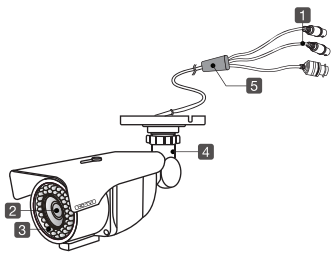
**CAUTION :** Any changes or modifications in construction of this device which are not expressly approved by the party

**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.

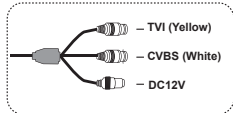
Version 06.15

# HD-TVI

## Bullet Camera



### 1 Power Input Video Connectors

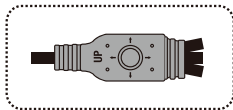


### 2 Lens

### 3 IR LED

### 4 Bracket

### 5 OSD Joystick

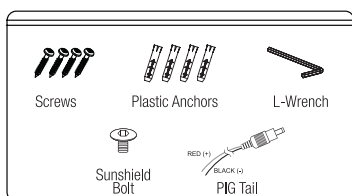


**REMINDER**  
For longer, more consistent performance, avoid installation locations prone to direct sunlight.

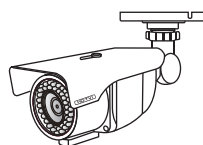
Before installing the camera, please make sure that all of the following items are included in the box.

### IR LED BULLET CAMERA

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



Mounting Accessories



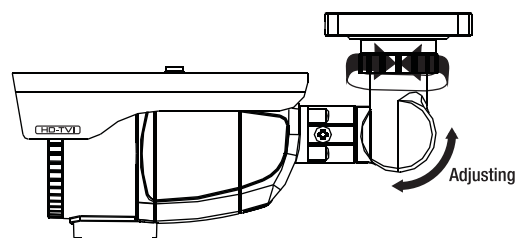
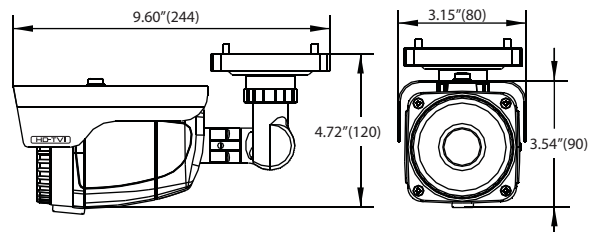
IR LED Bullet Camera

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

Unit: Inch (mm)



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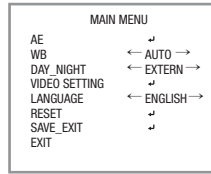
## Bullet Camera

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	OLUX (IR ON)
S/N Ratio	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

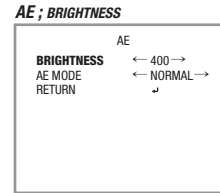
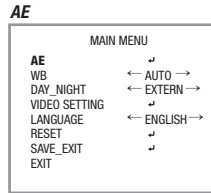
# HD-TVI

## Bullet Camera

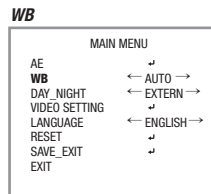
You may select the OSD menu items to adjust by using OSD buttons for your desire. To use OSD menu, press SET button and SET UP will appear as shown on the screen.



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



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



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

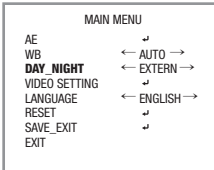
3

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# HD-TVI

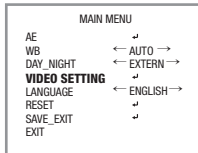
## Bullet Camera

### DAY/NIGHT

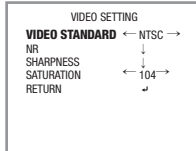


- 1) DAY / NIGHT - EXTURN -  
-> COLOR / MONO / INTERNAL / EXTURN

### VIDEO SETTING

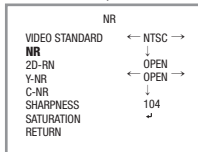


### VIDEO SETTING ; VIDEO STANDARD



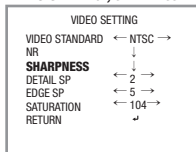
- 1) VIDEO STANDARD - NTSC -  
-> NTSC / PAL

### VIDEO SETTING ; NR



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

### VIDEO SETTING ; SHARPNESS

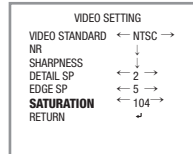


- 1) DETAIL SP - 2 -  
-> 0 ~ 15
- 2) DETAIL SP - 5 -  
-> 0 ~ 15

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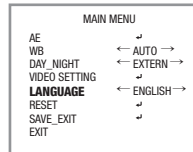
## Bullet Camera

### VIDEO SETTING ; SATURATION



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

### LANGUAGE



- 1) LANGUAGE  
-> ENGLISH / CHINESES

### RESET

### SAVE\_EXIT

### EXIT

5

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