

# TVI Camera

User Manual  
Version: TVI 2.0



## 1. TECHNICAL PARAMETERS

SensorType	1/3"sensor	1/3"sensor	1/2.7"sensor
SignalSystem	PAL/NTSC		
Resolution	1280x720	1280x960	1920x1080
IR Distance	100ft		
Video Output	TVIx1		
Day&Night Switch	Support (ICR)		
Frame Rate	25fps/30fps		
Min. Illumination	0lux (LED ON)		
S/NRatio	>52dB (AGCoff)		
Electronic Shutter	1/60s~1/67500s		
White Balance	Auto		
Gain Control	Auto		
Working Environment	-20℃~50℃, 10%~90% ( Humidity )		
Power Supply	DC12V (±10%)		

## 2. INSTALLATION

1. Avoid installing it directly towards the sun.
  2. Do not install it in the place where temperature is above 50 °C or below -20 °C.
  3. No installation in the areas with frequent vibration.
  4. Avoid operating and storing in the water.
  5. Video cable connector and DC tie-in must be avoided touching water.
  6. Please ensure that power input is right.
- 2.1 OSD configuration



### MAIN MENU:

Video out  
Day/Night  
AWB  
AE  
Special  
Effect  
System

**Video out:** You can set the frame rate as 30fps;

Video out	
Frame	Rate30

**Day and night:** Color, B/W, AUTO and EXT are selectable for DAY/NIGHT switches;

**AWB:** Auto, User, Push, 8000k, 6000k, 4200k and 3000k are selectable for AWB;

Day and night		AWB	
mode	[EXT]	Mode	[Auto]
D to N	52	R G Gain	128
N to D	14	B G Gain	128
DelayTime	3sec		

AE	
Mode	ESC
Brightness	128
Shutter	Auto
Flicker	60HZ
BLC	8
AGC	3
LSC	ON

**AE:** You can set the AE mode as HOLD, DC and ESC.

**Brightness:** Brightness refers to the brightness of the image.

**Shutter :** Shutter denotes the speed of the shutter.

You can set the shutter as AUTO, 1/25, 1/30, 1/50, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1k, 1/3k and 1/10k.

**Flicker:** You can set the flicker status as 50HZ/60HZm to prevent image flicking.

**BLC:** BLC bases on the back area to enhance the brightness of the whole image.

**AGC:** AGC optimizes the clarity of image in poor light scene. The value of AGC can be set from 1-5.

**LSC:** LSC corrects the phenomenon where the image gets darkened or blurred on the periphery.

SPECIAL SETUP
PRIVACY ZONE
MOTION
HLC

**Special setup:** Privacy Zone, Motion, HLC

**Privacy Zone:** Select a PRIVACY area. Set the MASK PAT as OFF, GRAY, WHITE or BLACK. Set the SX/EX/SY/EY value to define the position and size of the area.

**Motion:** Set the Motion status as ON or OFF.

Set the SENSITIVITY from 0 to 255.

Set the alarm status as ICON/TRANCE/OFF.

Set the hold time from 0 second to 255 seconds.

**HLC:** HLC supplements the brightness of the peripheral area of the image. You can set the mask value and threshold from 0 to 255.

Effect	
Color Gain	64
Color HUE	0
Sharpness	16
Contrast	128
Bright off	0
Mirror	ON
Flip	ON

**Color Gain:** Color gain adjust this feature to change the saturation of the color. You can set the value from 0 to 255.

**Color Hue:** You can adjust the image HUE from 0 to 71.

**Sharpness:** Sharpness determines the amount of detail that an imaging system can reproduce. You can set the value from 0 to 255.

**Contrast:** Contrast enhances the difference in color and light between parts of an image. You can set the value from 0 to 255.

**Bright Off :** Bright Off. refers to the brightness compensation of the image. You can set the bright compensation value as 0 or 1.

**Mirror:** You can set the Mirror status as ON/OFF.

**Flip:** You can set the FLIP status as ON/OFF.

System	
Camera ID	0
ID DISP	OFF
NAME DISP	OFF
LANGUAGE	ENG
FACTORY INIT	OFF

You can set the camera ID from 0 to 255.

Select the ID display and name display status as ON/OFF.

Chinese and English are selectable for the language of the menu. You can restore the camera to the default by setting the factory initialization status as ON.

### 3.TROUBLESHOOTING

No	Problem	Reason	Howtosolve
1	Image normal in the day while vague or being interfered by horizontal stripes at night	Power is not enough or power cable is too long.	Change power supply or shorten power cable
2	No image	Wrong connection to the video cable.	Reconnect
		Power gets problem.	Change power supply.
		Having not connected to power supply.	Plug in.