



## Camera s Color High Resolution Camera Instruction Manual

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# Camera

Camera s Color High-Resolution Camera



Thank you for your purchasing this product. Before attempting to connect or o product, please read these instructions carefully and save this manual for fi

### **CAUTION**

**RISK OF ELECTRIC SHOCK DO NOT OPEN**

**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

## **DESCRIPTION**

YR-600UI employs new-generation image processing technology. It has a high hor resolution of up to 650TVL as well as advanced 3D-DNR, D=WDR, HS BLC, and others fi Powerful OSD menu include Brightness, Contrast, Saturation adjusting functions BLC, White Balance, AGC, and other functions ensure clear bright pictures. Bes Motion Detection, Privacy and other aided functions make it suitable for var environments and help to carry out easy 24-hour day-night monitoring.

### **Advanced Image Processing Technology; 650TVL High Resolution; Clear Bright Pictures**



420 TV Line



650 TV Line

## **PRECAUTIONS**

1. Use the Appropriate Power Supply The input power for YR-600U1 is DC12V/AC24V. Be sure to connect it to the appropriate power. Wrong connection may cause malfunction and/or damage to the video camera.
2. Do not attempt to disassemble the camera. To prevent electric shock, do not remove screws or covers. There are no user serviceable parts inside. Ask a qualified service person for servicing.
3. Handle the camera with care. Do not abuse the camera. Avoid striking, shaking, etc. The camera could be damaged by improper handling or storage.
4. Do not expose the camera to rain or moisture, or try to operate it in wet areas. Do not place the camera in the following locations:
  1. Locations where the temperature is lower than -10C or higher than 50C;
  2. Locations where humidity is higher than 95%;
  3. Locations where there are large amounts of water vapor and steam
5. . Do not use strong or abrasive detergents when cleaning the camera body. Use a dry cloth to clean the camera when dirty. In case the dirt is hard to rer detergent and Wipe gently.
6. Clean the CCD faceplate with care. When cleaning the CCD panel, do not use strong or abrasive detergents. Use a tissue or cotton-tipped applicator and ethanol.
7. Do not attempt to aim the camera at the sun Do not attempt to aim the camera at the sun or other extremely bright objects smear to appear irrespective of whether the camera is operating or not. the CCD (Charge Coupled Device).
8. Do not put the camera in a place with interference. When this camera 1s installed near the equipment l1ke

wireless communication emits a strong electromagnetic field and some irregularities such as noise on the monitor screen.

## FEATURES

### WDR

Advanced D-DR technology largely improves its image effect even in an environment with little light.

### HR solution

650TVL horizontal resolution

### BLC

The camera can automatically detect highlight spots and cover the high light spots in the image to improve the resolution of the whole picture and carry out effective monitoring more clearly.

### DNR

Use a special algorithm, to reduce video and color noises, which increases its resol and cleanliness and creates clearer and sharper images.

### DG12V/Ac24V Dual Power Supply

Compatible with DC12V and AC24V. The camera can automatically switch to the appropriate mode according to the input power

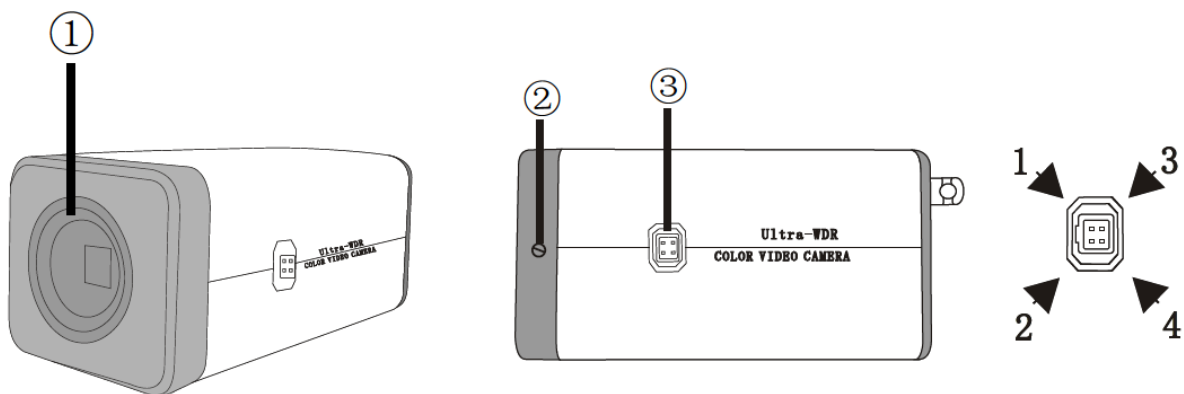
### OSD Menu

ve Powerful OSD menu can set all functions on the camera.

### Auto D/N Switchover Operating Mode

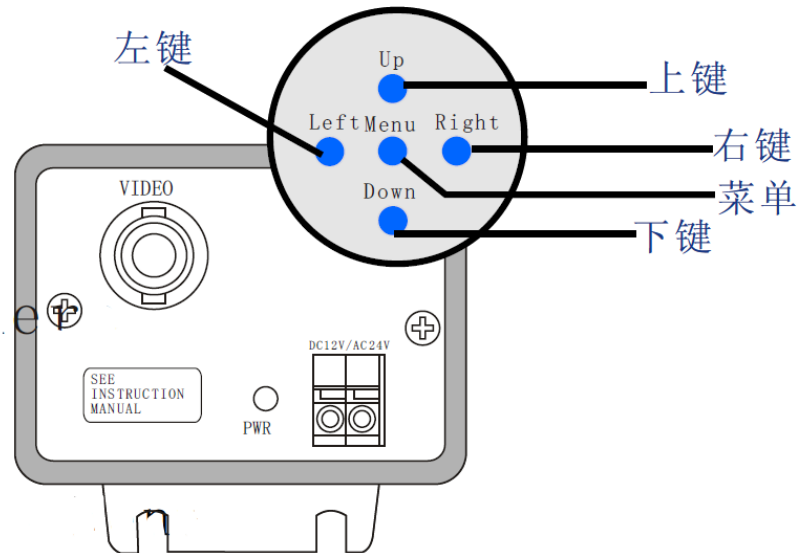
The COLOR mode in the daytime when there is enough light; at night when there is sensitivity and image quality needs to be higher. it will switch to B/W mode.

## FUNCTION INSTRUCTION



1. CS-Mount Lens Adapter, used to connect to CS-Mount lens.
2. Back Focus Fixing Screw, used to readjust camera focus. Use screw driver to unscrew the screw and turn S-Mount before adjusting focal length to get clear picture.
3. Auto Iris Lens Interface,
4. Bracket Fixing Hole, used to install camera to the bracket
5. **VIDEO:** Compound Video Signal Output
6. Menu/up/down/left/right
7. **Power Input:** Ac24V/DC 12V

## 8. PWR: Power LED



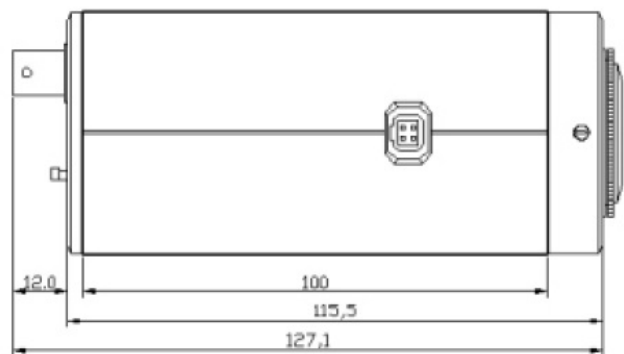
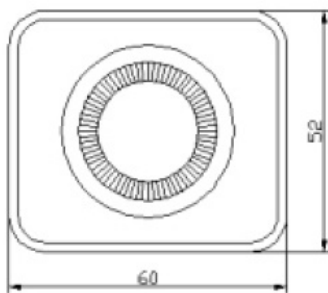
### Use the five buttons on the back to set the camera.OSD Function Setting

**Menu:** Menu Button, Choose Menu Item or Exit Menu

**Up/down:** This button is used to move the cursor upward or downward.

**Left/right:** This left or right button is used to move the cursor horizontally or change the previous menu, Volt.

### DIMENSIONS (Unit: mm)

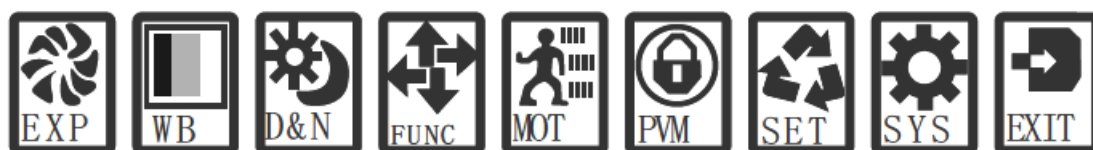


### SPECIFICATIONS

Model No		YR-600U1
Sensor	Sensor	1/3" High Sensitivity CCD
	Video Format	PAL/NTSC
	Resolution	650TVL
	Mini Illumination	0.01Lux
	S/N Ratio	≥50dB (AGC OFF)
Menu Oper	AGC	LOW; MIDDLE; HIGH; OFF
	BLC	ON; OFF; HS BLC
	Iris Control	Electronic Iris/Auto Iris Lens (DC Drive)
	Shutter Speed	1/60(1/50)~1/100000 Second
	White Bal	Mode
		Range
	MANUAL; AUTO TRACING; AUTOMATICAL	
	(AUTOMATICAL) 2200~10000° K	
	Mirror	ON/OFF
	Day/Night	AUTO; COLOR; B&W
	Motion Detection	ON/OFF
	Privacy	ON/OFF
	Adjustment	BRIGHTNESS; SHARPNESS
	Title	ON/OFF
	3D-DNR	ON/OFF
Power	D-WDR	ON/OFF
	Back to Mode	INTERNAL
	Voltage	DC12V/AC24V
	Current	<100mA
Lens Mount		CS Mount
Operating Temp		-10℃ ~50℃
Storage Temp		-20℃ ~50℃
Dimension		130 (L) * 60 (H) * 50 (W)
Weight		400g

## MENU OPERATION INSTRUCTION

### SETUP



### EXPOSURE

1. Press MENU button to display SETUP. Move the cursor to EXPOSURE. cursor to LENS by UP and DOWN buttons and set lens by left and right buttons: manual iris lens; DC drive iris lens. E. SHUTTER and BRIGHT can be set.

EXPOSURE		
▶LENS	ELC	↵
HBLC/D-WDR	OFF	↵
AGC	HIGH	
3D-DNR	LOW	
SENSE-UP	X4	
EXIT	RETURN	↓

LENS-ELC		
▶E. SHUTTER	AUTO	
BRIGHT	035	
RETURN	↓	

2. Move the cursor to HBLC/D-WDR and set HBLC/D-WDR by left and right buttons : BLC; set BLC by left and right buttons: MANUAL; AUTO. Set AGC: OFF; LOW; MIDDLE; HIGH. Set HBLC by left and right buttons: ALL DAY; ON. When HBLC is ON, you can set SET LEVEL, GRAY MODE and MASK SEL. Set D-WDR by left and right buttons.

HLI		
▶ HBLC		
MODE	ALL DAY	
SET LEVEL	010	
GRAY MODE	BLACK	
MASK SEL	MASK 1	↵
RETURN	↓	

D-WDR		
▶ D-WDR LEVEL	010	
RETURN	↓	

3. Move the cursor to AGC, and set AGC by left and right buttons: OFF; LOW; MIDDLE; HIGH.  
4. Set 3D-DNR by left and right buttons: OFF; LOW; MIDDLE; HIGH.

## COLOR:

1. Move the cursor to COLOR, and set WB MODE by left and right buttons: MANUAL; ATW; AWB; ATW LOCK.  
When MANUAL is selected, you can set color temperature.

COLOR	
▶ WB MODE	ATW
R-Y GAIN	120
B-Y GAIN	120
EXIT	RETURN ↓

WB-MANUAL	
▶ M. WB R	064
M. WB B	064
RETURN	↓

## DAY&NIGHT

1. Move the cursor to DAY&NIGHT, and set DAY&NIGHT by left and right buttons: AUTO; COLOR; WHITE; EXT.

DAY&NIGHT	
▶ D&N MODE	AUTO ↵
C_SUP	050
A_SUP	060
EXIT	RETURN ↓

D&N-AUTO	
▶ BURST	OFF ↵
DAY>NIGHT	019
NIGHT>DAY	013
DWELL TIME	003
RETURN	↓

EX-CDS	
▶ BURST	OFF ↵
DAY>NIGHT	210
NIGHT>DAY	100
SMART IR	AUTO
DWELL TIME	003
RETURN	↓

## FUNCTION

1. Move the cursor to FUNCT ION. Move the cursor to MIRROR by up and down buttons, and set MIRROR by left

and right buttons: ON; OFF. SHARPNESS range. GAMMA, and set the GAMMA range. Move the cursor to LSC, and set it: to ON; or OFF. Move the cursor to SHARPNESS, and Move the cursor to MONITOR, and set MODE type. Move to the cursor.

FUNCTION	
► MIRROR	OFF
SHARPNESS	018
MONITOR	MODE2
GAMMA	0. 45
LSC	OFF
EXIT	RETURN ↓

### MOTION

1. Move the cursor to MOTION, and set MOTION by left and right buttons: ON; 0 MOTION is on, you can set 14 AREA; SENSITI. ; DISPLAY ICON; ALARM.

MOTION	
► MOTION	OFF
AREA SEL	AREA 1 ↓
SENSITI.	025
DISPLAY	ICON
HOLD TIME	008
ALARM	ON
EXIT	RETURN ↓

### PRIVACY

1. Move the cursor to PRIVACY, and set MASK1 8 by left and right buttons: OFF; MASK 1 8 is on, you can set the privacy masks and color.

PRIVACY	
► MASK 1	OFF
MASK 2	OFF
MASK 3	OFF
MASK 4	OFF
MASK 5	OFF
MASK 6	OFF
MASK 7	OFF
MASK 8	OFF
EXIT	RETURN ↓



## SETUP

1. Move the cursor to SETUP. Move the cursor to TITLE by up and down buttons, and set by left and right buttons: ON; OFF. When TITLE is on, select different us.

SETUP	
▶ TITLE	OFF
MANUAL DPC	OFF
AUTO DPC	AUTO ↓
OLPF	850
OSD COLOR	BLUE
EXIT	RETURN ↓

USER TITLE	
A B C D E F G H I J K L M N O P	
Q R S T U V W X Y Z 0 1 2 3 4 5	
6 7 8 9 ! # \$ % & ( ) * +	
, - . / ↑ ↓ < = > ? @ [ \ ] ^ _ ↓ ↑	
← → CLR POS RET ↓	
-----	

2. Move the cursor to MANUAL DPC, and set MANUAL DPC by left and right buttons: ON;

MANUAL DPC-MANUAL	
▶ WHITE THR	168
BLACK THR	065
DPC LEVEL	050
RETURN	↓

3. Move the cursor to AUTO DPC, and set AUTO DPC by left and right buttons: ON

AUTO DPC-AUTO	
▶ DPC LEVEL	029
DPC RUN	↓
RETURN	↓

4. Move the cursor to OLPF, and set OLPF by left and right buttons: 650; 850.
5. Move the cursor to MONITOR, and set MONITOR by left and right buttons: CRT:
6. Move the cursor to GAMMA, and set GAMMA by left and right buttons: 0. 45: 0. 6; 1: other.

## SYSTEM:

1. Move the cursor to SYSTEM. Move the cursor to CAMERA ID by up and down butt set CAMERA ID by left and right buttons. COMMUNI. : ON; 0FF. When COMMUNI is on, you can select PROTOCOL and baudrate. Move the cursor to COMMUNI. , Anc Move the cursor to LANGUAGE and set it: CHINESE; ENGLISH.

```

SYSTEM
▶ CAMERA ID          001|||||||
  COMMUNI.          OFF
  LANGUAGE          ENGLISH
  EXIT              RETURN ↓

```

```

COMMUNICATION
▶ PROTOCOL          PELCO-D
  BAUDRATE          9600
  RETURN ↓

```

### Exit


Move the cursor to EXIT. Move the cursor to FACTORY SET by up and down butt set it: YES; NO. Moving the cursor SAV E&EXIT is to save the changes you h exit. Move the curs or to EXIT and exit the menu directly.

```

EXIT
▶ FACTORY SET        NO
  SAVE&EXIT ↓
  EXIT ↓

```

## Documents / Resources

	<p><a href="#">Camera s Color High Resolution Camera</a> [pdf] Instruction Manual  Color High Resolution Camera, High Resolution Camera, Resolution Camera, Camera</p>
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