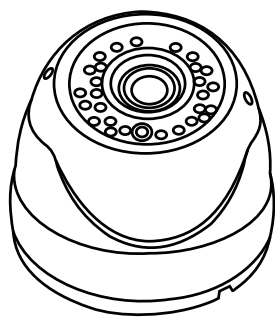


Color Waterproof IR Dome Camera

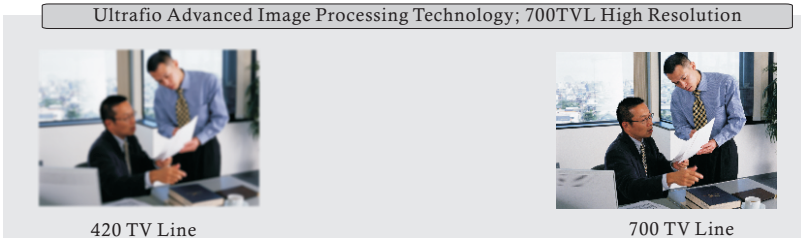
Operating Instruction



ICR300H3W

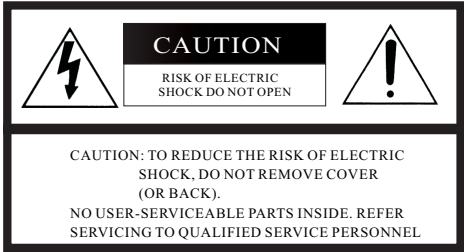
DESCRIPTION

The camera adopts SONY newest generation image processing technology-Ultraio. It has high horizontal resolution up to 700TVL as well as advanced 2D-DNR, D-WDR, HLC ,IR-CUT and other functions. Fashionable and professional appearance design; IP66 waterproof. Powerful OSD menu includes Brightness, Contrast, Saturation adjusting functions; Multi-area, White Balance, AGC , and other functions ensure clear bright pictures. Besides, Mirror, Privacy and other aided functions make it suitable for various special environments and realize simple and convenient round-clock surveillance.



PRECAUTIONS

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



1. Use the Appropriate Power Supply
- The input power for the camera is DC12V. 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 note 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 remove. Use a mild detergent and wipe gently.
5. Clean the CCD faceplate with care.
- When cleaning the CCD panel, do not use strong or abrasive detergents. Use a piece of lens tissue or cotton tipped applicator and ethanol.
6. 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 that causes mear to appear irrespective of whether the camera is operating or not. This can damage the CCD (Charge Coupled Device).
7. Do not put the camera in a place with interference.
- When this camera is installed near the equipment like wireless communication device which emits strong electromagnetic field, some irregularity such as noise on monitor screen may happen.

FEATURES

- High Resolution

700TVL horizontal resolution with 1/3" sony 960H CCD.
- D-WDR

Advanced D-WDR technology greatly improves its image quality under variable lighting conditions.
- HS BLC

It can distinguish strong strong light spots, and cover them to improve the definition of the entire image and thus ensures clearer and more effective surveillance.
- OSD Menu(optional)

Powerful OSD menu allows for various function settings.
- IP-66 Waterproof

Waterproof, Dust Prevention Design

- 2D-DNR

Use special algorithm, reduce video and color noises, which increases its resolution and cleanliness and creates clearer and sharper images.
- Auto D/N Switchover Operating Mode

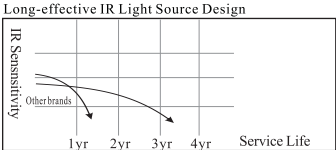
COLOR mode in daytime when there is enough light and B/W mode at night when the illumination is low and IR turned on automatically.

- Privacy Masking

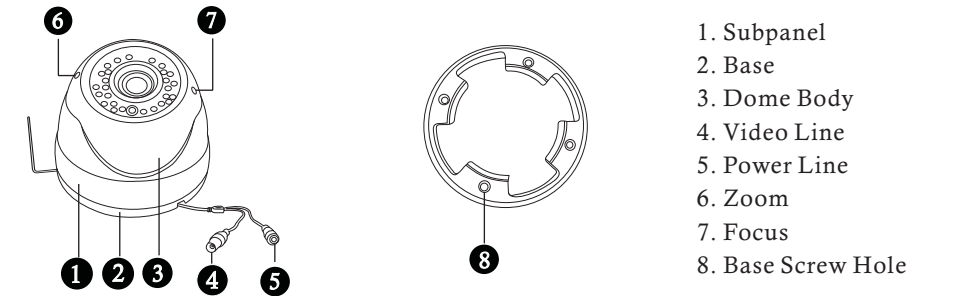
Up to 8 areas can be masked to protect personal privacy by concealing parts of the image from view.

- Long-life IR LEDS Design

High-performance IR LED,whose brightness is several times higher and service life longer than an ordinary LED's with 30m IR range.



PARTS INSTRUCTION



Camera Installation

1. Please use the allen wrench in the accessory bag to loose the fixed screws in the subpanel.
2. Seperate the base from the subpanel.
3. Fix the base to the position you need with screws.
4. Then put the dome body and subpanelin place and tighten the screws.
5. Adjust Lens focal length.

OSD Menu Control

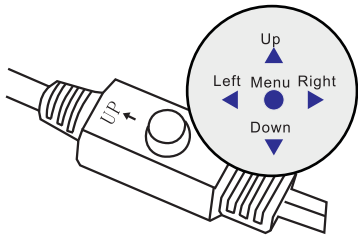
OSD Menu Setup

ENTER:Menu button for choice

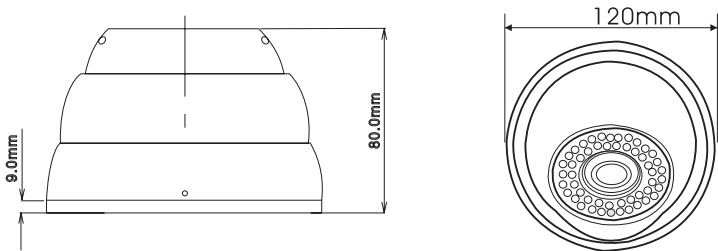
- Up

Down
- :Move up and down by up and down button
- Left

Right
- :Move horizontally or modify parameter by left and right button



DIMENSIONS (Unit: mm)

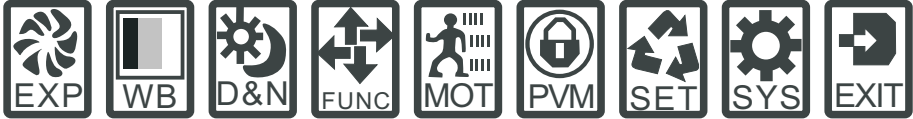


SPECIFICATIONS

Model No		ICR300H3W
Sensor	Sensor	1/3" 960H High Sensitivity CCD
	Video Format	PAL/NTSC
	Resolution	700TVL
	Mini Illumination	0Lux(IR ON)
	S/N Ratio	≥50dB (AGC OFF)
Menu Oper	AGC	AUTO; MANUAL
	BLC	ON; OFF; HLC
	Iris Control	Electronic Iris/ Auto Iris Lens (DC Drive)
	Shutter Speed	Auto;120FLK;1/60(1/50)-1/100000 Second
	White Bal	Mode
		Range
		MANUAL;ATW; USER
		(ATW) 2200~10000° K
	Mirror	ON/OFF
	Day/Night	AUTO; COLOR; B&W;EX-CDS
	Privacy	ON/OFF(1-8 AREAS)
	Adjustment	HIGH LUMINANCE; LOW LUMINANCE
	Title	ON/OFF (15 Characters Max)
Power	2D-DNR	OFF; HIGH; MID; LOW
	D-WDR	OFF; HIGH; MID; LOW
Sync Mode		INTERNAL
Voltage	DC12V	
	Current	IR OFF:<80mA IR NO:<400mA
Lens		2.8-12mm
IR Range		30m
Operating Temp		-10℃~50℃
Storage Temp		-20℃~50℃
Dimension		80 (H)*120(Φ)mm
Weight		1000g

*Specifications subject to change without notice.

SETUP:



EXPOSURE:

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

EXPOSURE	
►LENS	ELC ⏮
HBLC/D-WDR	OFF
AGC	HIGH
2D-DNR	MID
EXIT	RETURN ⏭

LENS-ELC	
►E. SHUTTER	AUTO
BRIGHT	033 ▯ ▯ ▯ ▯ ▯ ▯ ▯
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 2D-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	128 ▯ ▯ ▯ ▯ ▯ ▯ ▯
B-Y GAIN	128 ▯ ▯ ▯ ▯ ▯ ▯ ▯
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	060 ▯ ▯ ▯ ▯ ▯ ▯ ▯
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	130 ▯ ▯ ▯ ▯ ▯ ▯ ▯
NIGHT>DAY	040 ▯ ▯ ▯ ▯ ▯ ▯
SMART IR	AUTO ⏮
DWELL TIME	001 ▯ ▯ ▯ ▯ ▯ ▯
RETURN	⏭

SMART IR-AUTO	
►LEVEL	001 ▯ ▯ ▯ ▯ ▯ ▯
RETURN	⏭

FUNCTION:

1. Move the cursor to FUNCTION. Move the cursor to MIRROR by up and down buttons, and set MIRROR by left and right buttons: ON; OFF. Move the cursor to SHARPNESS, and set SHARPNESS range. Move the cursor to MONITOR, and set MODE type. Move to cursor GAMMA, and set GAMMA range. Move the cursor to LSC, and set it: ON; OFF.

FUNCTION	
►MIRROR	OFF
SHARPNESS	017 ▯ ▯ ▯ ▯ ▯ ▯ ▯
MONITOR	MODE2
GAMMA	0.45
LSC	OFF
EXIT	RETURN ⏭

GAMMA-USER	
►LEVEL	0.20 ▯ ▯ ▯ ▯ ▯ ▯ ▯
RETURN	⏭

LSC	
►LEVEL	0.10 ▯ ▯ ▯ ▯ ▯ ▯ ▯
RETURN	⏭

MOTION:

1. Move the cursor to MOTION, and set MOTION by left and right buttons: ON; OFF. When MOTION is on, you can set 1~4 AREA; SENSITI.; DISPLAY ICON; ALARM.

MOTION	
►MOTION	OFF
AREA SEL ⏮	
SENSITI.	025 ▯ ▯ ▯ ▯ ▯ ▯ ▯
DISPLAY	OFF
HOLD TIME	005 ▯ ▯ ▯ ▯ ▯ ▯ ▯
ALARM	ON
EXIT	RETURN ⏭

MOT-AREA	
►AREA	1 ON ⏮
AREA	2 ON ⏮
AREA	3 ON ⏮
AREA	4 ON ⏮
RETURN	⏭

PRIVACY:

1. Move the cursor to PRIVACY, and set MASK1~8 by left and right buttons: OFF; ON. When 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 ⏭

MASK1	
►DOT SEL	L-TOP
DOT	XY
MOVE	XY
COLOR SET	CRAY
RETURN	⏭

SETUP:

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

SETUP	
►TITLE	OFF
MANUAL DPC	OFF
AUTO DPC	OFF
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; OFF.

MANUAL DPC-MANUAL	
►LEVEL	050 ▯ ▯ ▯ ▯ ▯ ▯ ▯
RETURN	⏭

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

AUTO DPC-AUTO	
►DPC LEVEL	050 ▯ ▯ ▯ ▯ ▯ ▯ ▯
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; LCD.
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 buttons and set CAMERA ID by left and right buttons. Move the cursor to COMMUNI., And set COMMUNI.: ON; OFF. When COMMUNI is on, you can select PROTOCOL and BAUDRATE. 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:

- 1.Move the cursor to EXIT. Move the cursor to FACTORY SET by up and down buttons and set it: YES; NO. Moving the cursor SAVE&EXIT is to save the changes you have made and exit. Move the cursor to EXIT and exit the menu directly.

EXIT	
►FACTORY SET	NO
SAVE&EXIT	⏭
EXIT	⏭