

HD CCTV Total Solution

IR Dome Camera User Manual



The product image may differ from the actual product.
Please use this camera with a DVR which supports HD video recording.
Please read the instructions thoroughly before using the product.



CAUTION

RISK OF ELECTRIC SHOCK



CAUTION:

To reduce the risk of electric shock, do not expose this apparatus to rain or moisture.
Only operate this apparatus from the type of power source indicated on the label.

The company shall not be liable for any damages arising out of any improper use, even if we have been advised of the possibility of such damages.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



ROHS Announcement

All lead-free products offered by the company comply with the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive, which means our manufacture processes and products are strictly "lead-free" and without the hazardous substances cited in the directive.



The crossed-out wheeled bin mark symbolizes that within the European Union the product must be collected separately at the product end-of-life. This applies to your product and any peripherals marked with this symbol. Do not dispose of these products as unsorted municipal waste.



CE Mark

This apparatus is manufactured to comply with the radio interference.

The company does not warrant that this manual will be uninterrupted or error-free. We reserve the right to revise or remove any content in this manual at any time.

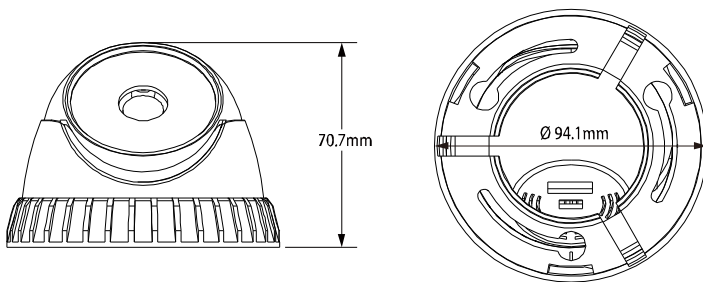
FEATURES

1. 1/2.7" CMOS Sensor
2. 1080P video output
3. Low light sensitivity of 0.1 Lux / F1.8, 0Lux (IR LED ON)
4. Day and night 24-hour surveillance with IR effective distance up to 20 meters

PACKAGE CONTENT

- IR camera * 1
- User manual * 1

DIMENSIONS*



*Dimensional Tolerance: ± 5mm

SPECIFICATIONS*

Pick-up Element	1/ 2.7" CMOS image sensor
Number of Pixels	1930(H) x 1088(V)
Video Frame Rate	1080P@30fps / 1080P@25fps
Min. Illumination	0.1 Lux / F1.8, 0 Lux (IR LED ON)
S/N Ratio	More than 48dB (AGC OFF)
Shutter Speed	1/30 (1/25) sec ~ 1/720000 (1/600000) sec
Lens	f3.6mm / F1.8
Lens Angle	96° (Horizontal) / 50° (Vertical) / 116° (Diagonal)
IR LED	21 units
IR Effective Distance	Up to 20 meters
IR Shift	YES
Day & Night Mode	YES
IRIS Mode	AES
White Balance	AUTO / USER / PUSH / 8000K / 6000K / 4200K / 3200K
AGC	Auto
Sharpness	YES
Flickerless	50HZ / 60HZ / OFF
BLC	YES
Operating Temperature	0°C ~ 40°C
Video Output	1.0 Vp-p composite, 75Ω
Power Source (±10%)	DC12V / 0.5A
Current Consumption (±10%)	200mA

* The specifications are subject to change without notice.

INSTALLATION

1. Open the packet and select the location where you would like to install the dome camera. Take the mounting bracket off the dome camera.
2. Slightly drill the supplied three screws into the three round holes on the mounting bracket and rotate the bracket clockwise until the screws are wedged into the narrower chase (as shown in Figure 1). Tighten the fixing screws to secure the mounting bracket to the ceiling.
3. Drill a hole in the middle circle and let the power and video line go through (as shown in Figure 2).
1. Mount the dome body onto the mounting bracket and rotate it until it clicks to secure (as shown in Figure 3). Adjust the camera to the correct position and test the dome camera to make sure it is working properly.



Figure 1



Figure 2



Figure 3

CONNECTION

1. DC12V Input Terminal
Connect the power terminal of the camera to a DC 12V regulated power supply.

NOTE: Please use the correct power adaptor, DC12V (regulated), to operate this unit. The power tolerance of this unit is DC12V \pm 10%. Over maximum DC 12V power input will damage this unit.



2. Video Output Connector (VIDEO OUT)
Connect the camera video output to the video input of a DVR with 75 Ω coaxial cable.

NOTE: To ensure the camera has sufficient protection against moisture, an extra waterproof measure, such as by using an insulating tape, must be used to cover the power and video connectors after connection.

CAMERA PARAMETERS

This camera series has its own configuration menu, and either of the two methods below is available to access the menu based on the camera model you have.

■ Method 1

On the DVR live view, click the channel which connects this camera to display in the full screen mode, and select  to show the control panel, and select  to enter the camera menu.



■ **Method 2**

On the DVR live view, right click to show the DVR main menu, and select “ADVANCED CONFIG” → “DCCS”. Then, select the channel which connects this camera, and click “SETUP” to enter the menu of camera parameters.

ADVANCED CONFIG				
CAMERA DETECTION ALERT NETWORK DISPLAY RECORD DEVICES DCCS NOTIFY	CH1	CH2	CH3	CH4
	MENU		SETUP	
	DEVICE		XXXXX	
	CONNECTION		OK	
EXIT				

NOTE: The parameters available depend on the model you have.

MENU	FUNCTION			
VIDEO OUT*	FRAME RATE			
DAY / NIGHT	MODE	EXT	IR LED	
		COLOR	-----	
		B & W	IR LED	
		AUTO	IR LED	
	D TO N	-----		
N TO D	-----			
DELAY TIME	-----			
AWB	MODE	AUTO	IN/OUT DOOR	
		USER	RED GAIN	
			GREEN GAIN	
			BLUE GAIN	
	R-G GAIN	-----		
B-G GAIN	-----			
AE	MODE	ESC	HOLD	DC
	BRIGHT			
	SHUTTER			
	FLICKER			
	BLC			
	AGC			
	LSC			