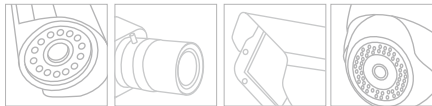


PROVISION **ISR**

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USER MANUAL

- 1080P Eco - 4 in 1 Series



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1 CAUTIONS

1. To reduce the risk of electric shock, do not open the machine and maintain by yourself, please consult a professional service person.
2. To prevent fire or shock hazard, use the power after safety certification, the input voltage, current, voltage polarity and operating temperature must meet the requirements of this camera.
3. Please note the operating temperature and environmental requirements of the camera, avoid too low or too high temperature. General operating temperature range of $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$ (Fahrenheit temperature is $14^{\circ}\text{F} \sim 122^{\circ}\text{F}$). Avoid flooding and rain, minimize dust and moisture erosion, otherwise camera would be damaged.
4. Cameras in use should avoid direct sunlight, glare, otherwise the sensor will be damaged.
5. Do not touch the sensor surface, if any foreign objects exists, a cotton swab or lens paper can be used to wipe, if it is difficult to remove, a neutral detergent diluted with water would be useful. Do not use corrosive solution.

6. In order to make the camera work smoothly and obtain satisfactory image, the power cord and video connection can not be too long, otherwise the increase of line loss will lead to the inadequate magnitude of the operating voltage of the camera or video signal inadequate.
7. In order to prevent the camera from falling, please do not place the camera on an unstable bracket, base or other unstable objects. Otherwise it will lead to injury, at the same time, the camera will be damaged.
8. The camera cannot be placed near the radiator or heating resistor.

2 Product Introduction

2.1 Camera Introduction

PROVISION-ISR's new series of cameras are adopted CMOS image sensor with high performance, which provides mega pixel resolution and supports HD video. Moreover, it supports monitoring signals coaxial transmission. Transmission distance can reach more than 300M based on 75-3 coaxial cable. The series can support both AHD/CVBS 960H output as well as realize high speed, long distance and real time video transmission.

2.2 Product Features

- Coaxial cable with BNC connector
- Jumper Terminal
- Auto Day/Night (ICR)
- BLC
- 2D-DNR
- AHD/CVI/TVI/CVBS Signal Selectable

3 Menu Setup

AHD/TVI: Click on “Iris+” button from the DVR's PTZ interface to call the OSD Menu. Use the PTZ interface to scroll through the menu and “Iris+” to confirm.

CVI: Click “▶” button from the DVR's PTZ interface, then click “ ” and press “Enter” to call the OSD Menu.

4 Product Installation

4.1 General Notes

1. Make sure the unit is powered off before installation.
2. Check if power supply voltage is consistent with electric voltage to prevent damages to the device.
3. Do not use in environments exceeding temperature limitations, and maintain good ventilation to prevent risk of fire or electric shock.
4. The installation and maintenance of this product should be professional, please do not in any way remove or modify the equipment; only use the

required accessories from the manufacturers. Issues caused by unauthorized repair are your responsibility.

4.2 Installation Tools and Information

Prepare the required engineering data and instructions. Before installing please prepare the following tools and instrumentation: A straight or a Phillips-head screwdriver, multi-meter, scissors, needle nose pliers, tape measure, pencil.

4.3 Setting the Video Output Type

The camera supports AHD/TVI/CVI/CBVS video output. Choosing the output type is done by setting a DIP switch on the cable as illustrated:



4.4 Installation Method

1. Check if all equipment is in tact.
2. Mounting bracket or base:

- If you are installing on a cement wall, use the expansion screw holes and then mount the bracket or base.
- If you are installing on a wooden wall, use the self-tapping screws to mount

3. Mounting the camera

a. Dome Camera

Adjust the lens position to aim at the monitoring points and present a clear picture. Manually fix lens location and adjust the hemisphere cover. Re-examine the screen whether the character meets your requirements. Tighten the hemisphere cover.

b. Bullet Camera

Adjust the body so the lens aim at the monitoring points and presents a clear picture. Tighten the screws to ensure camera will not move.

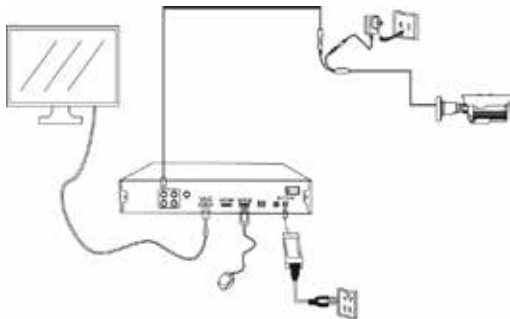
Installation method above is for reference only.

Note:

The wall needs to bear at least 3 times the weight of bracket and camera.

4.4 Connection

Connection as shown in the figure below



4.6 OSD Control

The OSD control is available by CoC (Control over Coax) only. If your AHD/TVI/CVI DVR supports this function*, use the DVR's PTZ interface to press on "Iris+" or " " to open the OSD menu.

Navigate through the OSD menu using the PTZ direction arrows.

* Notice: CoC function works no more than 200M by Rg59 coaxial cable

* All of Provision-ISR's DVRs support CoC Starting from version 3.4.4

4 OSD:

Main Menu	Second Menu	Third Menu
AE	Brightness	1~20
	Exposure Mode	Globe
		BLC
WB	AWB	
	MWB	RGAIN 1~8
		BGAIN 1~8
Day / Night	Auto	
	Color	
	B/W	
Video Settings	Contrast	1~10
	Sharpness	1~10
	Color Gain	1~10
	DNR	1~10
	Format	PAL/NTSC
Language	English/Chinese	
Reset		
Save-Exit		
Exit		

5 Specifications:

PRO-AHD camera (1080P)

DI-390AHDE36+ / DI-390AHDEVF+
I3-390AHDE36+ / I4-390AHDEVF+

Model	DI-390AHDE36	DI-390AHDEVF	I3-390AHDE36	I4-390AHDEVF
Image Sensor			1/3" 2MP Sensor	
Effective Pixels			1928(H)×1088(V)	
Scanning System			Internal Sync	
Resolution	Digital:1920×1080P, Analog:960H			
Min. Illumination			0.1Lux / (0Lux IR On)	
Day & Night			EXT, Color, B&W	
IR LED	15 LED (15m)	36 LED (25m)	36 LED (25m)	42 LED (35m)
OSD Menu	Available by CoC Only			
Backlight Compensation	On/Off			
S/N Ratio	≥48dB (AGC Off)			
White Balance	Auto / Manual			
Noise Reduce	2D-DNR			
Video Output	AHD / CVI / TVI / CVBS (Signal Selectable by DIP Switch)			
Defog	Not Available			
Privacy Mask	Not Available			
Motion Detection	Not Available			
D-Effect	Not Available			
Lens	3.6mm	2.8-12mm	3.6mm	2.8-12mm
Power	DC12V±10%, ~280m	ADC12V±10%, ~360mA	DC12V±10%, ~360m	ADC12V±10%, ~380mA
Operation temp.	-20°C~+50°C (14°F~122°F)			
Dimension	104*70.8*93.2mm	129.5*90*119mm	206.5*67.6*68.5mm	286*77*85.6mm
Net Weight	269g	476g	380g	836g