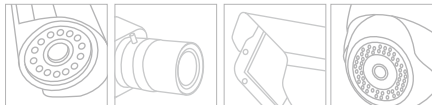


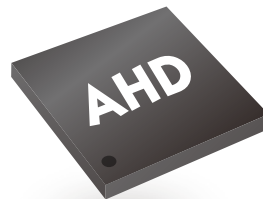
PROVISION **ISR**

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USER MANUAL

- 1080P Eco-AHD 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 $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$ (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/CVBS Signal Selectable

3 Menu Setup

Iris + from DVR to call Menu.

4 Product Installation

4.1 General Notes

1. Make sure the unit is powered off before installation.
2. Check power supply voltage consistent with the electric voltage to prevent voltage unworthy, resulting in damage to the device.
3. Do not use in the environment beyond the boundaries of the temperature, and maintain good ventilation to prevent the rain in order to reduce the risk of fire or electric shock.

4. The installation and maintenance of this product should be professional, please do not in any way to remove or modify the equipment; can only use the required accessories of manufacturers. Problems caused by unauthorized repair are at your own risk.

4.2 Installation Tools and Information

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

4.3 Installation Method

1. Check the equipment whether it is damaged.
2. Mounting bracket or base.
 - ① If the cement wall, install the expansion screws (expansion screw holes need stand or base hole), and then mount bracket or base.
 - ② If the wooden wall, use self-tapping screws to mount.

3. Mounting the camera

a. Dome Camera

Adjust the lens position and make it 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 the requirement. Tighten the hemisphere cover.

b. Bullet Camera

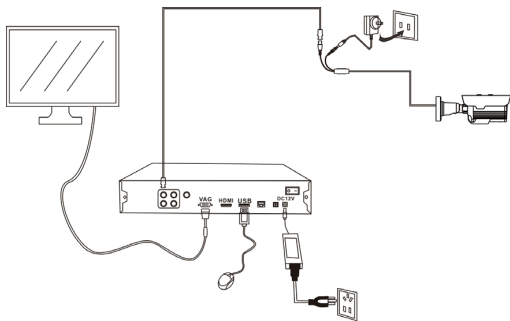
Adjust the body so that the lens aims at the monitoring points and presents a clear picture. Tighten the screws, to ensure that it does not move.

Installation method above is for reference only, the specific installation, please be kind.

Note:
The wall needs to bear at least 3X weight of bracket (base) and camera.

4.4 Connection

Connection as shown in the figure below



4.5 OSD Control

The preferred control method is CoC (Control over Coax). If your AHD DVR supports this function*, Use the DVR's PTZ interface to call Preset 95 or press on "Iris+" to open the OSD menu. Navigate through the OSD menu by the PTZ direction arrows. "Iris+" performs as "Enter".

*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			
Backlight Compensation	On/Off			
S/N Ratio	≥48dB (AGC Off)			
White Balance	Auto / Manual			
Noise Reduce	2D-DNR			
Video Output	AHD / CVBS (Signal Selectable by Jumper Connector)			
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.	-10°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