PROVISION ISR ®
Now you can see!

- 1080P Eco HD Analog Series

USER MANUAL

Contents

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°C ~ +50°C (Fahrenheit temperature is 14°F ~ 122°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 exits, 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 asatisfactory 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 have adopted a high performance CMOS image sensor, 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 all HD analog resolutions: AHD/TVI/CVI as well as CVBS 960H output.

2.2 Product Features

● Coaxial cable with BNC connector
● DIP Switch for output selection
● Auto Day/Night (ICR)
● BLC
● 2D-DNR
● AHD/TVI/CVI/CVBS Signal Selectable
● PAL/NTSC (System Selectable by DIP switch)

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 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.

Note:
The wall needs to bear at least 3X weight of bracket (base) and camera. Installation method above is for reference only.
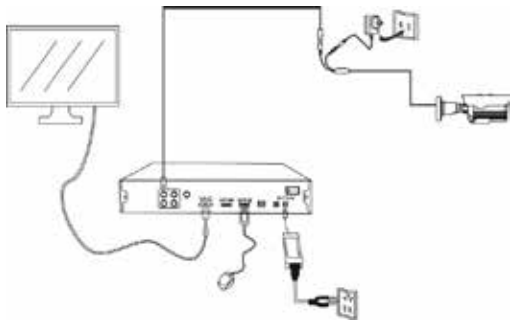
4.4 Setting the video output type:

The camera supports AHD/TVI/CVI/CBVS video output. And PAL/NTSC system is switchable by setting a DIP switch on the cable as illustrated:

The Default Setting is PAL + AHD

4.5 Connection

Connection as shown in the figure below

4.6 OSD Control

The OSD control is available by CoC (Control over Coax). 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

4.7 OSD Menu Scheme:

Main Menu	Second Menu	Third Menu
AE	Brightness	1~20
	Exposure Mode	GLOBE
		BLC
		FLC
		CENTER
WB	ATW	
	MWB	RGAIN 1~8
		BGAIN 1~8
Day / Night	EXT	
	Auto	
	Color	
	B/W	
Video Settings	Contrast	1~10
	Sharpness	1~20
	Color Gain	1~20
	DNR	1~15
	Format	PAL/NTSC
	WDR	ON/OFF
Language	English/Chinese	
Reset		
Save-Exit		
Exit		

5 Specifications:

1080P Eco HD Analog Series

DI-390AE36 / DI-390AEVF / I1-390AE36

Model	DI-390AE36	DI-390AEVF	I1-390AE36
Image Sensor	1/2.7" 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	24 LED (15m)	36 LED (25m)	24 LED (15m)
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/TVI/CVI/CVBS(Signal Selectable by DIP switch)		
System Format	PAL/NTSC (System Selectable by DIP switch)		
Defog	Not Available		
Privacy Mask	Not Available		
Motion Detection	Not Available		
D-Effect	Not Available		
Lens	3.6mm	2.8-13.5mm	3.6mm
Power	DC12V±10%		
Operation temp.	-20°C~+50°C (-4°F~+122°F)		
Dimension	104*70.8*93.2mm	129.5*90*119mm	163*60*60mm
Net Weight	269g	476g	275g

I3-390AE36 / I4-390AEVF

Model	I3-390AE36	I4-390AEVF
Image Sensor	1/2.7" 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	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/TVI/CVI/CVBS(Signal Selectable by DIP switch)	
System Format	PAL/NTSC (System Selectable by DIP switch)	
Defog	Not Available	
Privacy Mask	Not Available	
Motion Detection	Not Available	
D-Effect	Not Available	
Lens	3.6mm	2.8-13.5mm
Power	DC12V±10%	
Operation temp.	-20°C~+50°C (-4°F~+122°F)	
Dimension	206.5*67.6*68.5mm	286*77*85.6mm
Net Weight	380g	836g