PROVISION ISR
Now you can see!

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AHD

USER MANUAL

- 5MP 4 in 1 Series

FC CE ♻

www.provision-isr.com

Contents

1 Cautions:

1. To reduce the risk of electric shock, do not open the camera or perform internal maintainance by yourself. Please consult a professional service person if needed.

2. To prevent fire or electrical shock hazard, make sure that the input voltage, current, polarity and operating temperature meet the requirements of the camera.

3. Please note the operating temperature and environmental limits of the camera. Do not install in higher/lower temperatures than -30°C~+50°C (-4°F~122°F). These cameras are not waterproof! Minimize dust and moisture erosion, otherwise camera would be damaged.

4. Avoid directing the camera to sunlight while powered on, otherwise the sensor will be damaged.

5. Do not touch the sensor surface. If any foreign objects exists use a cotton swab or lens paper to clean. if it is difficult to remove, use a neutral detergent diluted with water.

6. In order to ensure smooth and satisfactory image, the power and video cables shouldn't be too long. Please follow general AHD/Analog sepcifications for cables types and lenghts.

7. In order to prevent the camera from falling, please install the camera on a stable surface.

8. The camera should not be placed near a 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 200M based on Rg59 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
● Super High Resolution Lens
● AHD/TVI/CVI/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 power supply voltage consistent with the electric voltage to prevent voltage unworthy, resulting in damage to the device.

3. Do not use in environment conditions exceeding the specified temperature and humidity.

4. The installation and maintenance of this product should be done by a professional. Please do not remove or modify the camera in any way.

4.2 Installation Tools and Information

Prepare the required tools and instructions. Before installation please prepare the following tools:
A straight or a Phillips-head screwdriver, multi-meter, cutter, needle nose pliers, measuring tape, pencil.

4.3 Installation Method

1. Check the camera for any external damage.
2. Mount the bracket or base:
① For cement wall, install the expansion screws, and then mount the bracket/base.
② For wooden wall use self-tapping screws to mount.

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 camera:

a. Dome Camera

Adjust the lens position so it aims at the main monitoring point and gives a clear picture.

b. Bullet Camera

Adjust the body so that the lens aims at the main monitoring point and gives a clear picture. Tighten the screws to ensure that it does not move.
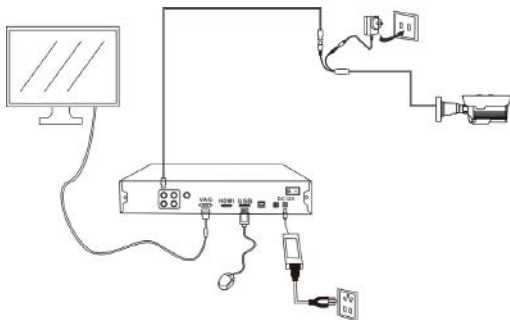
4.5 Setting the video output type:

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:

ON	ON	ON	ON
1 2	1 2	1 2	1 2
AHD	HD TVI	HD CVI	Analog

4.6 Connection

Connection as shown in the figure below

4.7 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

4.8 OSD Menu Scheme:

Main Menu	Second Menu	Third Menu
AE	Brightness	1~20
	Exposure Mode	GLOBE
		BLC(1-9)
WB	ATW	
	MWB	RGAIN 1~127
		BGAIN 1~127
Day / Night	EXT	
	Auto	
	Color	
	B/W	
Image Enhance	Contrast	1~16
	Sharpness	1~16
	Color Gain	1~16
	DNR	1~16
	Mirror	DEFAULT / H / V / HV
Video Output	Video Standard	4MP 30 / 4MP 25 / 5MP 20
	Reboot & Apply	
Language	English/Chinese/Traditional Chinese	
Reset		
Save-Exit		
Exit		

5 Specifications:

5MP 4 in 1 camera

DI-350A36 / DI-350AVF / DAI-350AVF

Model	DI-350A36	DI-350AVF	DAI-350AVF
Image Sensor	1/2.7" 5MP Sensor		
Effective Pixels	2592(H)×1944(V)		
Scanning System	Progressive		
Resolution	Digital: 2560X1936, Analog: 960H		
Min. Illumination	0.01Lux (0 Lux with IR on)		
IR LED	2 LED Array (20m)	3 LED Array (25m)	35 LED(20m)
OSD Menu	Available via CoC Only		
CoC Support	Yes		
Day & Night Mode	EXT, Color, B&W, Auto		
Backlight Compensation	BLC		
S/N Ratio	≥35dB (AGC Off)		
White Balance	ATW / MWB		
Noise Reduction	2D-DNR		
Video Output	5MP AHD/TVI; 4MP AHD/TVI/CVI; CVBS(Signal Selectable by DIP switch)		
Defog	Not Available		
Privacy Mask	Not Available		
Motion Detection	Not Available		
D-Effect	Miror		
Lens	3.6mm	2.8-12mm	2.8-12mm
Power	DC12V±10%, ~300mA	DC12V±10%, ~380mA	DC12V±10%, ~300mA
Operation temp.	-30°C~+50°C		
Waterproof	IP66		
Dimension	104*82*93.2mm	129.5*119*104mm	ø145*119.5mm
Net Weight	270g	476g	960g

I3-350A36 / I4-350AVF

Model	I3-350A36	I4-350AVF
Image Sensor	1/2.7" 5MP Sensor	
Effective Pixels	2592(H)×1944(V)	
Scanning System	Progressive	
Resolution	Digital: 2560X1936, Analog: 960H	
Min. Illumination	0.01Lux (0 Lux with IR on)	
IR LED	3 LED Array (30m)	4 LED Array (40m)
OSD Menu	Available via CoC Only	
CoC Support	Yes	
Day & Night Mode	EXT, Color, B&W, Auto	
Backlight Compensation	BLC	
S/N Ratio	≥35dB (AGC Off)	
White Balance	ATW / MWB	
Noise Reduction	2D-DNR	
Video Output	5MP AHD/TVI; 4MP AHD/TVI/CVI; CVBS(Signal Selectable by DIP switch)	
Defog	Not Available	
Privacy Mask	Not Available	
Motion Detection	Not Available	
D-Effect	Miror	
Lens	3.6mm	2.8-12mm
Power	DC12V±10%, ~380mA	DC12V±10%, ~475mA
Operation temp.	-30°C~+50°C	
Waterproof	IP66	
Dimension	206.5*67.6*68.5mm	286*77*85.6mm
Net Weight	380g	836g