PROVISION ISR®

Now you can see!

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AHD

USER MANUAL

■ 4MP AHD Camera Series

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 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 200M based on Rg59 coaxial cable. The series can support AHD output, which also can realize high speed, long distance and real time video transmission.

2.2 Product Features

- Auto Day/Night (ICR)
- HBLC, BLC
- 2D Noise Reduction
- Motion Detection, Privacy Mask
- Super High Resolution Lens
- OSD Menu Available by OSD cable and CoC control.

3 Menu Setup

"Iris+" from DVR's PTZ interface to call Menu.

4 Product Installation

4.1 General Notes

1. Make sure the unit is powered off before installation.

2. Check that power supply voltage complies with the camera requirement to prevent damage to the camera.

3. 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.

4.5. Setting the camera:

a. Dome Camera

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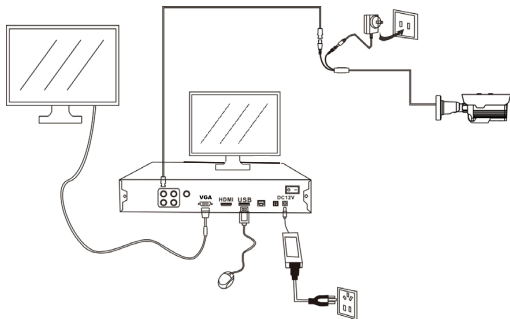
b. Bullet Camera

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.

Note:
The wall needs to bear at least 3 times the weight of the camera.

4.4 Connections
Connection as shown in the figure below

4.5 OSD Control
The preffered control method is CoC (Control over Coax). If your AHD DVR supports this function*, access the DVR's PTZ interface to press on "Iris+" and 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

4.6 OSD Layout Scheme

OSD Menu List

Main Menu		Second Menu		Third Menu	
EXPOSURE		SHUTTER	AUTO		
			1/25s-1/50000s		
		AGC	0-15		
		BRIGHTNESS	1-100		
		D-DWR	OFF		
			AUTO		
			ON	0-15	
BACKLIGHT		OFF			
	BLC	LEVEL	LOW		
			MIDDLE		
			HIGH		
		AREA			
		DEFAULT			
	HSBLC	SELECT	AREA1-4		
		DISPLAY	OFF		
			ON		
		BLACK MASK	ON/OFF		
		LEVEL	0-100		
		MODE	ALL DAY		
			NIGHT	AGC LEVEL	0-255
		DEFAULT			

Page 10

Main Menu	Second Menu				
WHITE BAL	ATW				
	MANUAL	BLUE	0-100		
		RED	0-100		
	OUTDOOR				
	INDDOR				
	AWC-SET				
DAY/NIGHT	AUTO	D→N(AGC)	2-255		
		D→N(DELAY)	0-60		
		N→D(AGC)	1-254		
		N→D(DELAY)	0-60		
	COLOR				
	B/W	IR-SMART	ON	LEVEL	0-15
				AREA	
			OFF		
	EXT	D-N(DELAY)	0-60		
		N-D(DELAY)	0-60		
NR	2DNR	LOW/MIDDLE/HIGH/OFF			
SPECIAL	MIRROR	OFF			
		ROTATE			
		V-FLIP			
		MIRROR			
	DPC	LIVE DPC	ON	AGC LEVEL	0-255
				LEVEL	0-100
			OFF		

Page 11

Main Menu	Second Menu	Third Menu			
SPECIAL	DPC	WHITE DPC	ON	POS/SIZE	
				START	
				DPC VIEW	OFF/ON
				LEVEL	0~60
				AGC	0~14
			OFF		
		BLACK DPC	ON	POS/SIZE	
				START	
				DPC VIEW	ON/OFF
				LEVEL	0~60
			OFF		
	LANGUAGE	13 choices			
ADJUST	SHARPNESS	AUTO	LEVE	0-10	
			START AGC	0-255	
			END AGC	0-255	
		OFF			
	MONITOR	GAMMA	USER 0.45 ~1.00		
		BLUE GAIN	0~100		
		RED GAIN	0~100		
	LSC	OFF			
		ON			
	OUT PUT MODE	VIDEO.OUT	FORMAT	AHD	
			PAL		
			NTSC		
		NRT	OFF		
			ON		

5 Specifications:

4MP AHD camera

DI-340AHD36 / DI-340AHDVF

Model	DI-340AHD36	DI-340AHDVF
Image Sensor	1/3" 4MP Sensor	
Effective Pixels	2688(H)×1520(V)	
Scanning System	Progressive	
Resolution	Digital: 2560X1440	
Min. Illumination	0.01Lux	
Day & Night	True Day & Night (ICR)	
IR LED	2 LED Array (20m)	3 LED Array (25m)
OSD Menu	Available via CoC Only (12 Languages)	
CoC Support	Yes	
Day & Night Mode	EXT, Color, B&W, Auto	
Backlight Compensation	Off / BLC / HSBLC	
S/N Ratio	≥50dB (AGC Off)	
White Balance	AWB, AWC, Indoor, Outdoor, Manual	
Noise Reduce	2D-DNR	
Video Output	AHD	
Defog	Not Available	
Privacy Mask	Not Available	
Motion Detection	Not Available	
D-Effect	Flip/Miror	
Lens	3.6mm	2.8-12mm
Power	DC12V±10%, ~280mA	DC12V±10%, ~360mA
Operation temp.	-30°C~+50°C	
Waterproof	IP66	
Dimension	104*82*93.2mm	129.5*119*104mm
Net Weight	270g	476g

I3-340AHD36 / I4-340AHDVF

Model	I3-340AHD36	I4-340AHDVF
Image Sensor	1/3" 4MP Sensor	
Effective Pixels	2688(H)×1520(V)	
Scanning System	Progressive	
Resolution	Digital: 2560X1440	
Min. Illumination	0.01Lux	
Day & Night	True Day & Night (ICR)	
IR LED	3 LED Array (30m)	4 LED Array (40m)
OSD Menu	Available via CoC Only (12 Languages)	
CoC Support	Yes	
Day & Night Mode	EXT, Color, B&W, Auto	
Backlight Compensation	Off / BLC / HSBLC	
S/N Ratio	≥50dB (AGC Off)	
White Balance	AWB, AWC, Indoor, Outdoor, Manual	
Noise Reduce	2D-DNR	
Video Output	AHD	
Defog	Not Available	
Privacy Mask	Not Available	
Motion Detection	Not Available	
D-Effect	Flip/Miror	
Lens	3.6mm	2.8-12mm
Power	DC12V±10%, ~360mA	DC12V±10%, ~450mA
Operation temp.	-30°C~+50°C	
Waterproof	IP66	
Dimension	206.5*67.6*68.5mm	286*77*85.6mm
Net Weight	380g	836g