PROVISION ISR
Now you can see!

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AHD
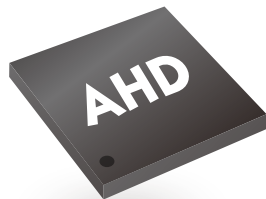
Hidden Camera
■ Pro-AHD Series

Contents

1 CAUTIONS

1. To avoid the risk of electric shock, do not open or maintain the machine by yourself, please consult a professional.

2. To prevent fire or shock, use the power after safety certification. the input voltage, current, voltage polarity and operating temperatures 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 temperatures. 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 are visible, use a cotton swab or lens cleaner to wipe it, 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 a satisfactory image, the power cord and video connection can not be too long. Otherwise, the increase of line loss will lead to inadequate operating voltage of the camera or inadequate video signal.

7. To prevent camera damage and personal injury, do not place camera on unstable objects, brackets,or bases.

8. Do not place camera near a radiator or other heating devices.

2 Product Introduction

2.1 Camera Introduction

PROVISION-ISR's new cameras series has adopted CMOS image sensor with high performance, which provides mega pixel resolution and supports HD video. It supports coaxial transmission that can reach more than 300M, based on 75-3 coaxial cable. The series supports both AHD/CVBS 960H output and real-time video transmission.

2.2 Product Features

● Coaxial cable with BNC connector
● Auto Day/Night (ICR)
● Auto Defog, HBLC, BLC
● Digital WDR, 2D/3D NR
● Motion Detection, Privacy Mask
● AHD/CVBS Signal Selectable from OSD
  AHD-960H: Press left 5 seconds;
  960H-AHD: Press right 5 seconds;
  PAL-NTSC: Press down 5 seconds to switch
  between PAL&NTSC

3 Menu Setup

Press "MENU" button to enter the main MENU, press "UP" and "DOWN" to select menu, press "LEFT" and "RIGHT" to choose or set the corresponding function. To enter submenu press "MENU" again. Set up Save and exit.

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 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.
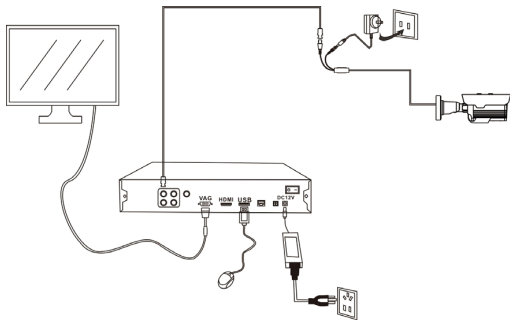
b. Bullet Camera

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 Connections
Connection as show in the figure below

4.5 OSD Control
For 1080P Cameras (AHD2.0), The preffered 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

OSD Menu List

Main Menu		Second Menu		Third Menu	
LENS	DC	Indoor			
		Outdoor	↓	MIN_SHU	
				MAX_SHU	
	Manual				
EXPOSURE	↓	SHUTTER	AUTO 1/25s-1/50000s X2-X30		
		AGC	0-15		
		SENS-UP	AUTO	SENS-UP	x2-x30
		BRIGHTNESS	1-100		
		D-DWR	OFF		
			AUTO		
			ON		
		DEFOG	OFF		
			AUTO	POS/SIZE	
				GRADATION	
				DEFAULT	

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BACKLIGHT	OFF				
	BLC	LEVEL			
		AREA			
		DEFAULT			
	HSBLC	SELECT	AREA1-4		
		DISPLAY	OFF		
			ON	POS/SIZE	
		BLACK MASK	ON/OFF		
		LEVEL	1-100		
		MODE	ALL DAY		
			NIGHT	AGC LEVEL	0-255
		DEFAULT			
WHITE BAL	ATW				
	AWB				
	MANUAL	BLUE	1-100		
		RED	1-100		
	OUTDOOR				
	INDOOR				
	AWC-SET				
DAY/NIGHT	AUTO				
	COLOR				
	B/W				
	EXT	↓	D-N(DELAY)	0-60	
			N-D(DELAY)	0-60	

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NR	↓	2DNR	LOW/MID/HIGH		
		3DNR	LOW/MID/HIGH		
SPECIAL	↓	CAM TITLE			
		D-EFFECT	↓	FREEZE	
				MIRROR	OFF
					ROTATION
					V-FLIP
					MIRROR
				NEG IMAGE	
		MOTION	SELECT	AREA1-4	
			DISPLAY	ON/OFF	
			SENSITIVITY	0-100	
			ALARM	ON/OFF	
		PRIVACY	SELECT	AREA1-4	
			COLOR	W/R/B/G	
			TRANS	0.25-1.0	
		LANGUAGE		12 choices	
		DEFECT	↓	WHITE	ON/OFF
				BLACK	ON/OFF
		RS485			
ADJUST	↓	SHARPNESS	↓	LEVEL	1-10
				VALUE	0-255
		VIDEO OUT		PAL/NTSC	
		Monitor		CRT/LCD and LSC	
EXIT		SAVE&END			

5 Specifications:

PRO-AHD camera (720P)

MC-382AHD37/ DL-382AHD37/ DS-382AHD37/ IV-380AHD37

Model	MC-382AHD37	DL-382AHD37	DS-382AHD37	IV-380AHD37
Image Sensor	1/3" 1.3MP Sony Sensor			
Effective Pixels	1280(H)×960(V)			
Scanning System	Progressive			
Resolution	Digital:1280×960P, Analog:960H			
Min. Illumination	0.01Lux / (0Lux IR On)			0Lux (IR On)
Day & Night	EXT, Color, B&W, AUTO			
IR LED	N/A	N/A	N/A	18pcs(10m)
OSD Menu	Available (11 Languages, AHD/CVBS Output selectable)			
Backlight Compensation	OFF/BLC/HSBLC			
S/N Ratio	≥60dB (AGC Off)			
White Balance	AWB, ATW, AWC (Push), Indoor, Outdoor, Manual			
Noise Reduce	3D-DNR (For AHD), 2D-DNR (For Analog)			
Video Output	AHD / CVBS (Signal Selectable from OSD)			
Defog	Off/On			
Privacy Mask	Off/On (4 Areas)			
Motion Detection	Off/On (4 Areas)			
D-Effect	Freeze, Mirror, Negative Image			
Lens	3.7mm Pinhole			
Power	DC12V±10%, ~72mA			DC12V±10%, ~212mA
Operation temp.	-10°C~+50°C (14°F~122°F)			
Dimension	35*35*10mm	Ø90*55mm	Ø125x50mm	104*60*66mm
Net Weight	90g	210g	85g	94g

Specifications:

PRO-AHD camera (1080P)

MC-392AHD37/ DL-392AHD37/ DS-392AHD37/ IV-390AHD37

Model	MC-392AHD37	DL-392AHD37	DS-392AHD37	IV-390AHD37
Image Sensor	1/3" 2.0MP Sony Sensor			
Effective Pixels	1920(H)×1080(V)			
Scanning System	Progressive			
Resolution	Digital:1920×1080P, Analog:960H			
Min. Illumination	0.01Lux			0Lux (IR On)
Day & Night	EXT, Color, B&W, AUTO			
IR LED	N/A	N/A	N/A	18pcs(10m)
OSD Menu	Available (11 Languages, AHD/CVBS Output selectable)			
Backlight Compensation	OFF/BLC/HSBLC			
S/N Ratio	≥60dB (AGC Off)			
White Balance	AWB, ATW, AWC (Push), Indoor, Outdoor, Manual			
Noise Reduce	3D-DNR (For AHD), 2D-DNR (For Analog)			
Video Output	AHD / CVBS (Signal Selectable from OSD)			
Defog	Off/On			
Privacy Mask	Off/On (4 Areas)			
Motion Detection	Off/On (4 Areas)			
D-Effect	Freeze, Mirror, Negative Image			
Lens	3.7mm Pinhole			
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