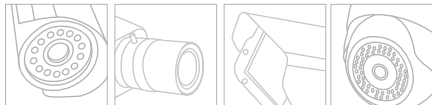


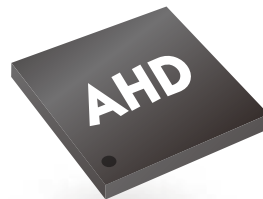
**PROVISION** **ISR**

*Now you can see!*



**PROVISION** **ISR**

*Now you can see!*



## USER MANUAL

- 1080P Pro-AHD Series



[www.provision-isr.com](http://www.provision-isr.com)

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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)
- Auto Defog, HBLC
- Digital WDR, 2D/3D NR
- Motion Detection, Privacy Mask
- AHD/CVBS Signal Selectable (by jumper\*)

\*Without jumper: AHD. With jumper: Analog

## 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

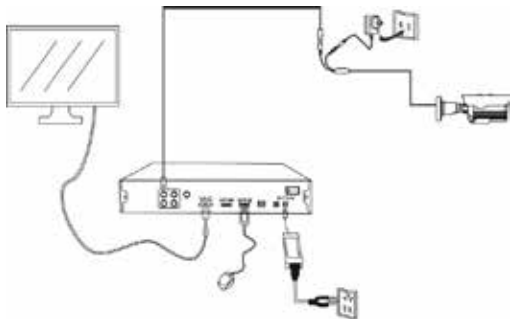
Adjust the body so that the lens aims at the monitoring points and presents a clear picture. Tighten the screws, to ensure that it does not move.

**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 OSD control is available only by CoC (Control over Coax). If your AHD DVR supports this function\*, Use the DVR's PTZ interface to press on "Iris+" to open the OSD menu. Navigate through the OSD menu using 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- 1/5000s X2-X30		
		AOC	0-15		
		SENS-UP	AUTO	SENS-UP	x2-x30
		BRIGHTNESS	1-100		
		D-DWR	OFF		
			AUTO		
			ON		
		DEFOG	OFF		
AUTO	PCS/SIZE				
	GRADATION				
	DEFAULT				

BACKLIGHT	OFF					
	BLC	LEVEL				
		AREA				
		DEFAULT				
	HSBLC	SELECT	AREA1-4			
		DISPLAY	OFF			
			ON		PCS/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			

NR	↓	2ONR	LOW/MID/ HIGH				
		3ONR	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
				VIDEO OUT		VALUE	0-255
Monitor				PAL/NTSC			
EXIT		SAVE&END		CRT/LCD and LSC			

## 5 Specifications:

### PRO-AHD camera (1080P)

DI-390AHD36 / DI-390AHDVF / DAI-390AHDVF  
 I3-390AHD36 / I4-390AHDVF / BX-392AHD

Model	DI-390AHD36	DI-390AHDVF	DAI-390AHDVF	I3-390AHD36	I4-390AHDVF	BX-392AHD
Image Sensor	1/3" 2MP Sony Sensor					
Effective Pixels	1984(H)×1225(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	2 LED Array (20m)	3 LED Array (25m)	35 LED (20m)	3 LED Array (25m)	4 LED Array (40m)	N/A
OSD Menu	Available by CoC Only (11 Languages, AHD/CVBS Output selectable)					
CoC Support	Yes					
Backlight Compensation	OFF/BLC/HSBLC					
S/N Ratio	≥80dB (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	3.6mm	2.8-12mm	2.8-12mm	3.6mm	2.8-12mm	N/A
Power	DC12V±10%, ~310mA	DC12V±10%, ~410mA	DC12V±10%, ~310mA	DC12V±10%, ~410mA	DC12V±10%, ~480mA	DC12V±10%, ~100mA
Operation temp.	-20°C~+50°C (14°F~122°F)					
Dimension	104*70.8*93.2mm 269g	129.5*90*119mm 476g	Φ145×119.5mm 810g	206.5*67.6*68.5mm 380g	286*77*85.6mm 836g	123.5x63.7x65mm 300g