

**PROVISION ISR**<sup>®</sup>

*Now you can see!*

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## Hidden Camera

- 1080P Pro 4 in 1 Series



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## 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  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$  (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 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 series of cameras have adopted a high performance CMOS image sensor which provides HD resolution and supports high resolution video output. The cameras support video transmission distance of around 400M base on Rg59 standard coaxial cable. This series can support AHD/TVI/CVI/CVBS 960H analog output.

### 2.2 Product Features

- Coaxial cable with BNC connector
- DIP Switch
- Auto Day/Night (ICR)
- Auto Defog, HBLC, BLC
- Digital WDR, 2D/3D NR
- Motion Detection, Privacy Mask
- AHD/TVI/CVI/CVBS Signal Selectable (by jumper)

## 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 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 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:



## 4.4 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.

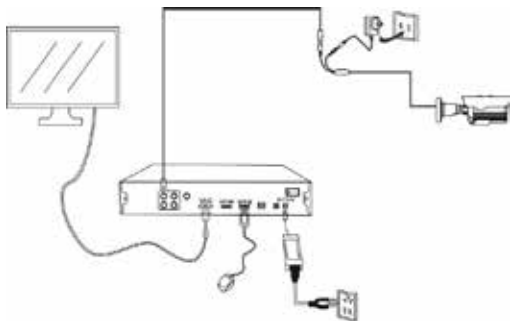
Installation method above is for reference only.

### **Note:**

**The wall needs to bear at least 3 times the weight of bracket and camera.**

## 4.5 Connections

Connection as show in the figure below



## 4.6 OSD Control

The OSD control is available by CoC (Control over Coax) only. If your AHD/TVI/CVI DVR supports this function\*, use the DVR's PTZ interface to press on "Iris+" or "Iris-" 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

## OSD Menu List

| Main Menu | Second Menu |            | Third Menu                            |                    |        |
|-----------|-------------|------------|---------------------------------------|--------------------|--------|
| LENS      | DC          | Indoor     |                                       |                    |        |
|           |             | Outdoor    | ↓                                     | MIN_SHU<br>MAX_SHU |        |
|           | Manual      |            |                                       |                    |        |
| EXPOSURE  | ↓           | SHUTTER    | AUTO<br>1/256s-<br>1/50000s<br>X2-X30 |                    |        |
|           |             | AGC        | 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      | ↓     | ZONR      | LOW/MID/<br>HIGH |                 |           |        |          |
|         |       | ZONR      | LOW/MID/<br>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           |           |        |          |
|         |       | PRIVACY   | ALARM            | ON/OFF          |           |        |          |
|         |       |           | 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  |                  |                 |           |        |          |

## Specifications:

### 4 in 1 Pro Hidden camera (1080P)

MC-392AHD37+ / DL-392AHD37+

| Model                  | MC-392AHD37+                                       | DL-392AHD37+ |
|------------------------|--|--------------|
| Image Sensor           | 1/3" 2.0MP Sensor                                  |              |
| Effective Pixels       | 1984(H)×1225(V)                                    |              |
| Scanning System        | Progressive  |              |
| Resolution             | Digital:1920×1080P, Analog:960H                    |              |
| Min. Illumination      | 0.01Lux  |              |
| Day & Night            | EXT, Color, B&W, AUTO                              |              |
| IR LED                 | N/A  | N/A          |
| OSD Menu               | Available by CoC Only                              |              |
| 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 Analog HD), 2D-DNR (For Analog)        |              |
| Video Output           | AHD/TVI/CVI/CVBS (Signal Selectable by DIP switch) |              |
| 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                                   |              |
| Operation temp.        | -10°C~+50°C (14°F~122°F)                           |              |
| Dimension              | 35*35*10mm   | Ø90*55mm     |
| Net Weight             | 90g  | 210g         |

DS-392AHD37+ / IV-390AHD37+

| Model                  | DS-392AHD37+                                       | IV-390AHD37+      |
|------------------------|--|-------------------|
| Image Sensor           | 1/3" 2.0MP 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                 | N/A  | 18pcs(10m)        |
| OSD Menu               | Available by CoC Only                              |                   |
| 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 Analog HD), 2D-DNR (For Analog)        |                   |
| Video Output           | AHD/TVI/CVI/CVBS (Signal Selectable by DIP switch) |                   |
| 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              | Ø125x50mm  | 104*60*66mm       |
| Net Weight             | 85g  | 94g               |