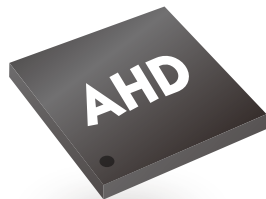


PROVISION **ISR**

Now you can see!

PROVISION **ISR**

Now you can see!



Hidden Camera

- Pro-AHD Series



Contents

- 1) CAUTIONS
- 2) Product Introduction
 - 2.1 Camera Introduction
 - 2.2 Product Features
- 3) Menu Setup
- 4) Product Installation
 - 4.1 General Notes
 - 4.2 Installation Tools and Information
 - 4.3 Installation Method
 - 4.4 Connections
 - 4.5 OSD Control
- 5) Technical Specification

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 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

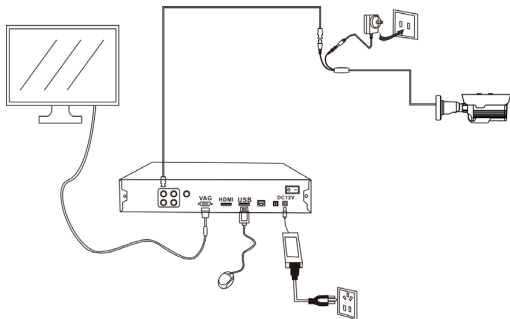
Adjust the body so the lens aim at the monitoring points and presents a clear picture. Tighten the screws to ensure camera will not move.

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 preferred 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 | | | | |

| | | | | | |
|-----------|---------|------------|------------|----------|--|
| 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 | | |

| | | | | | | |
|---------|-------|-----------|------------------|-----------------|------------|-----|
| 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 | | |
| | | PRIVACY | ALARM | ON/OFF | | |
| | | | SELECT | AREA1-4 | | |
| | | | COLOR | W/R/B/G | | |
| | | LANGUAGE | | 0.25-1.0 | | |
| | | DEFECT | ↓ | | 12 choices | |
| | 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 | | | |
| 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 |