

- 720P Basic HD Analog Series
- 1080P Basic HD Analog Series

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1 Cautions:

1. To reduce the risk of electric shock, do not open the camera or perform internal maintenance 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 $-20^{\circ}\text{C}\sim+50^{\circ}\text{C}$ ($-4^{\circ}\text{F}\sim122^{\circ}\text{F}$). 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 specifications for cables types and lengths.
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 have adopted a high performance CMOS image sensor which provides HD resolution and supports high resolution video output. The cameras support transmission distance of more than 300M based on 75-3 standard coaxial cable. The series can support all HD analog resolutions: AHD/TVI/CVI as well as CVBS 960H output.

3 Product Installation

3.1 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.

3.2 Installation Tools and Information:

Prepare the required tools and instructions. Before installation please prepare the following tools:

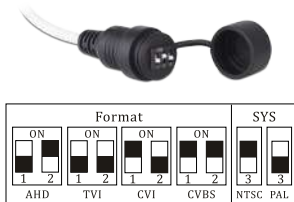
A straight or a Phillips-head screwdriver, multi-meter, cutter, needle nose pliers, measuring tape, pencil.

3.3 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.

3.4 Setting the video output type:

The camera supports AHD/TVI/CVI/CBVS video output And PAL/NTSC system is swittable by setting a DIP switch on the cable as illustrated:



4. Setting the camera:

a. Dome Camera

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

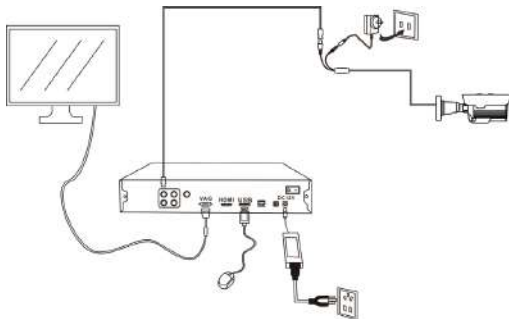
b. Bullet Camera

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.

5. Connection Diagram:

Connection as shown in the figure below:



6. OSD Control

The preferred control method is CoC (Control over Coax). If your HD DVR supports this function*, use 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'DVRs support CoC starting from version 3.4.4

6.1 OSD Menu Scheme:

Main Menu	Second Menu	Third Menu
AE	Brightness	1~20
	Exposure Mode	GLOBE
		BLC
		FLC
		CENTER
WB	ATW	
	MWB	RGAIN 1~16
		BGAIN 1~16
Day / Night	EXT	
	Color	
	B/W	
Video Settings	Contrast	1~50
	Sharpness	1~20
	Color Gain	1~31
	DNR	1~15
	Transfer Mode	AHD/TVI/CVI/CVBS
	Format	PAL/NTSC
	WDR	ON/OFF
Language	English/Chinese	
Reset		
Save-Exit		
Exit		

7. Specifications:

Basic-HD camera (720P)

DI-380AB36 / I1-380AB36

Model	DI-380AB36	I1-380AB36
Image Sensor	1/3" 1.3M CMOS Sensor	
Effective Pixels	1296(H) × 964 (V)	
Scanning System	Internal	
Resolution	Digital:1280×720, Analog:960H	
Min. Illumination	0.1Lux (0Lux IR On)	
Day & Night	External	
IR LED	12LED (15m)	12LED (15m)
OSD Menu	Available via CoC Only	
Backlight Compensation	Not Available	
S/N Ratio	≥48dB (AGC Off)	
White Balance	Auto/Manual	
Noise Reduce	2D-DNR	
Video Output	AHD/TVI/CVI/CVBS(Signal Selectable by DIP switch)	
System Format	PAL/NTSC (System Selectable by DIP switch)	
Defog	Not Available	
Privacy Mask	Not Available	
Motion Detection	Not Available	
D-Effect	Not Available	
Lens	3.6mm	3.6mm
Power	DC12V±10%, ~230mA	DC12V±10%, ~210mA
Operation temp.	-20°C~+45°C, Humidity 90% or less (non-condensing)	
Dimension	φ98*80mm	162*70*72mm
Net Weight	141g	156g

Basic-HD camera (1080P)

DI-390AB36 / I1-390AB36

Model	DI-390AB36	I1-390AB36
Image Sensor	1/3" 2MP CMOS Sensor	
Effective Pixels	1928(H) × 1088 (V)	
Scanning System	Internal	
Resolution	Digital:1920x1080P, Analog:960H	
Min. Illumination	0.1Lux (0Lux IR On)	
Day & Night	External	
IR LED	12 LED (15m)	12 LED (15m)
OSD Menu	Available via CoC Only	
Backlight Compensation	Not Available	
S/N Ratio	≥48dB (AGC Off)	
White Balance	Auto/Manual	
Noise Reduce	2D-DNR	
Video Output	AHD/TVI/CVI/CVBS(Signal Selectable by DIP switch)	
System Format	PAL/NTSC (System Selectable by DIP switch)	
Defog	Not Available	
Privacy Mask	Not Available	
Motion Detection	Not Available	
D-Effect	Not Available	
Lens	3.6mm	3.6mm
Power	DC12V±10%, ~230mA	DC12V±10%, ~210mA
Operation temp.	-20°C~+45°C, Humidity 90% or less (non-condensing)	
Dimension	φ98*80mm	162*70*72mm
Net Weight	141g	156g