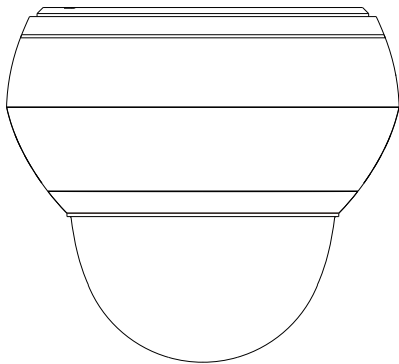# *Analog HD IR SPEED DOME CAMERA*
# USER INSTRUCTION
## USE/INSTALLATION

# Preface

Thank you for purchasing our products. Please feel free to contact us if you have any question or need. The purpose of this section is to ensure that the user can correctly use the product through this manual to avoid danger during operation or property damage. Before using this product, please read the product manual carefully and save it for future reference.

# Declaration

The pictures and descriptions provided in this manual may differ from your current version. If you have any question when using this manual, please contact our technical support for assistance. The content of this manual will be updated from time to time, and the company reserves the right to keep it informed.

# Chapter 1. Product Profile

## 1.1 Product Description

This mini ptz dome camera set high resolution, ptz function as one of the newest dome ptz camera. Easy to install and use, no require tedious integrated wiring.

It supports preset, other basic function.

Built in ptz platform and adopts precision motor drive. Sensitive response, operation smooth and no shake of the image.

Built in zoom lens and 4pcs IR light to make sure the smart night vision.

It supports AHD.TVI.CVI and CVBS 4 signal model output.

It can be widely used in small monitor application, such as warehouse, parking lot, supermarket, stairs, shopping mall and other outdoor or indoor places.

## 1.2  Product Feature and Function

This series mini ptz dome camera using metal+PC housing, transparent explosion-proof and anti-scratch PC housing, precision motor worm gear drive, multi-funciton control.

Adopt megapixel sensors, the image is clear and delicate.

Support HD video output.

Support electronic shutter, adapt to different monitoring environment.

Support IR-Cut infrared filter automatic switching to achieve day and night monitoring.
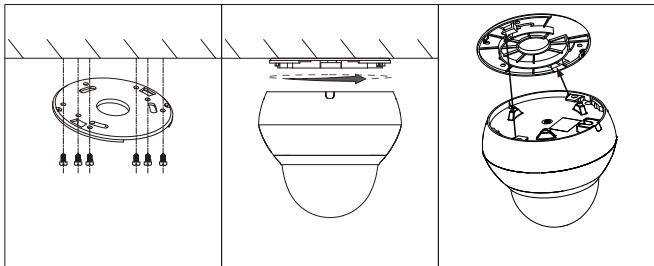
Support 220x and park function.

# Chapter 2. Product Installation

## 2.1 Guide for Ceiling Installation

2.1.1 Put the mount plate on the ceiling, mark down the fixed holes of screws as follow picture,
punch holes on the ceiling (3 holes on each sides) to install screws.

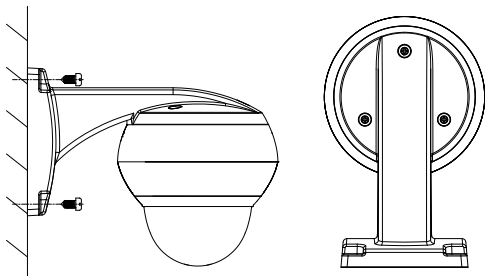2.1.2 Fix the mount plate on the ceiling with screws.



2.1.3 Correctly place the camera base to the mount plate on the ceiling, clockwise rotate to
fix it.

## 2.2 Guide for Wall-Mount Installation

2.2.1 Put the plate stick on the wall, mark down and punch the holes.

2.2.2 Pass the camera tail through the bracket, fix the camera on the wall bracket with 3
screws.

2.2.3 Place the wall bracket with camera on the wall, and tighten the screws.

## 2.3 Cable connection diagram



Photosensitive resistance

Camera lens

Infrared lamp x4

All aluminum alloy shell

DIP switcher

BNC interface

DC power interface

485 interface

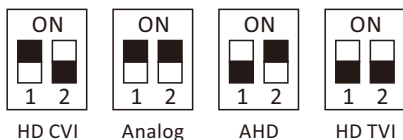## Power connection

Mark: please carefully check the rated voltage and current as below:

| Rated voltage | Rated voltage range | current |
|---|---|---|
| DC12V | Plus or minus 10% | 2A |

## DIP Switch

Mark: this camera supports 4 signal mode output(AHD/TVI/CVI/CVBS) which can be switched via DIP.



HD CVI    Analog    AHD    HD TVI

## 2.4 Common system topology diagram
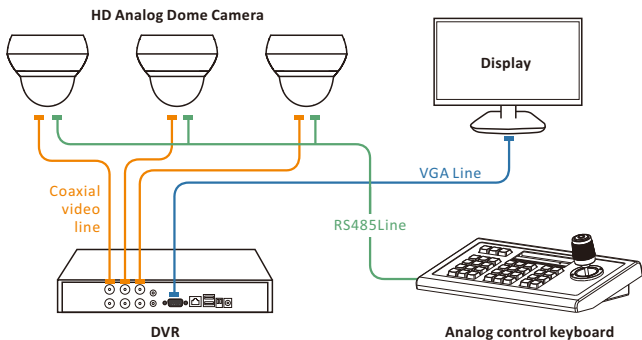
# Chapter 3.  PTZ Operation & Control

## 3.1 Preset setting

(1) It max can set 220 presets.

(2) You operate the direction button of the ptz, adjust the lens screen to the position where you want to monitor, then select the preset number, and then click on settings, the system will automatically save a preset . Then continue to select the second preset position to continue setting. Call the preset number to check whether the preset  save successfully or not after the setup is complete.

Speed dome ptz camera ID setting

Call preset 97 and call preset【N】to set the ptz camera ID=N (default ID#1)

E.x:  Set the ptz camera ID#9- Call preset 97 and call preset 9

## 3.2 Park function setting and calling

### 3.3.1  Set park preset #1, park time 10s

Call preset [94] and call preset [1]          Call preset [94] and call preset [31]

## 3.3 Common ptz commands operation example

### How to turn on/ off camera IR lights

(1) Call preset 90 and preset 2.................................................Turn on IR lights manually;

(2) Call preset 90 and preset 3.................................................Turn off IR lights manually;

(3) Call preset 90 and preset 1.....................................Turn on/off IR lights automatically.

### How to set camera IR lights sensitivity

(1) Call preset 90 and preset 11.......................................Set the IR lights sensitivity high;

(2) Call preset 90 and preset 12.................................Set the IR lights sensitivity medium;

(3) Call preset 90 and preset 13...........................................Set the IR lights sensitivity low

### How to set camera IR Cut

(1) Call preset 91 and preset 1.........................................Turn on camera IR Cut manually

(2) Call preset 91 and preset 2.........................................Turn off camera IR Cut manually

(3) Call preset 91 and preset 3..................................Turn on camera IR Cut automatically

(4) Call preset 91 and preset 4..................................Turn off camera IR Cut automatically

**How to Reset the camera**..............................................................................................
........................................Call preset 96, call preset 10 and call preset 12 and call preset 14.

**How to switch the camera signal mode via preset**

call 96 and call preset 1...................................................................................TVI

Call 96 and call preset 2................................................................................. CVI

Call 96 and call preset 3 ...............................................................................AHD

Call 96 and call preset4................................................................................CVBS

Call 96 and call preset 5.......................................................................... PAL system

Call 96 and call preset 6............................................................................ NTSC System

# Chapter 4. Q&A

**Q: Requiring the camera back to the position or statues before power-off**

A: Setting the camera corresponded park function.

**Q: Camera no make rotations when power on**

A: check the power normal or not, if power ok check other causes.

**Q: Camera have image but can not be controlled**

A: Checking whether it is coax cable control or not in camera ptz control settings, also check the camera baud rate and ID. If you use ptz controller, check the camera and controller whether enjoy the same baud rate and protocol.

**Q: No image after switching camera signal mode**

A: If  there is no image when you switch the camera signal mode via DIP switcher or calling preset, please check whether your DVR support the camera current signal mode and the signal system(PAL/NTSC) right or wrong.

**Q: Because of camera no starting for a long time,  it will fog after the camera powered on for a period of time.**

A: Call preset 90 and call preset 2 to turn on the camera IR manually and keep this status around 48 hours. After 48 hours, call preset 90 and then call preset 1 to change the camera IR into auto mode.
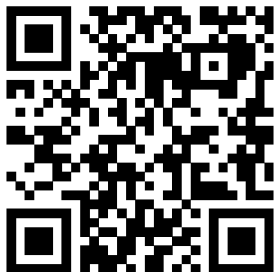
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