

# OPERATING MANUAL

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## VARI-FOCAL VANDAL PROOF MECHANICAL IR CUT FILTER DAY/NIGHT COLOR DOME CAMERA

HIGH RESOLUTION

12VDC + 24VAC

1/3" CCD Sensor

45 IR DISTANCE

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### **GENERAL DESCRIPTION**

Thank you for choosing a Vari-focal Vandal Proof DSP color dome camera with 3.7~12mm auto iris DC drive lens built in suitable for versatile light source applications. Employing a 1/3" SONY Super-HAD CCD sensor through utilizing advanced DSP technology produces this dome camera 530 TV lines crisp picture image and various features.

### **CAUTION**

1. Do not touch the surface of image sensor. If it is touched accidentally it must be cleaned by cloth moistened with alcohol.
2. Before operation, ensure that the supply voltage is correct as specified.
3. Avoid focusing on the sun directly.
4. Do not attempt to service this unit yourself unless you are authorized to do so. Opening or removing cover may exposure you to dangerous voltage or other hazards.

### **CONNECTOR**

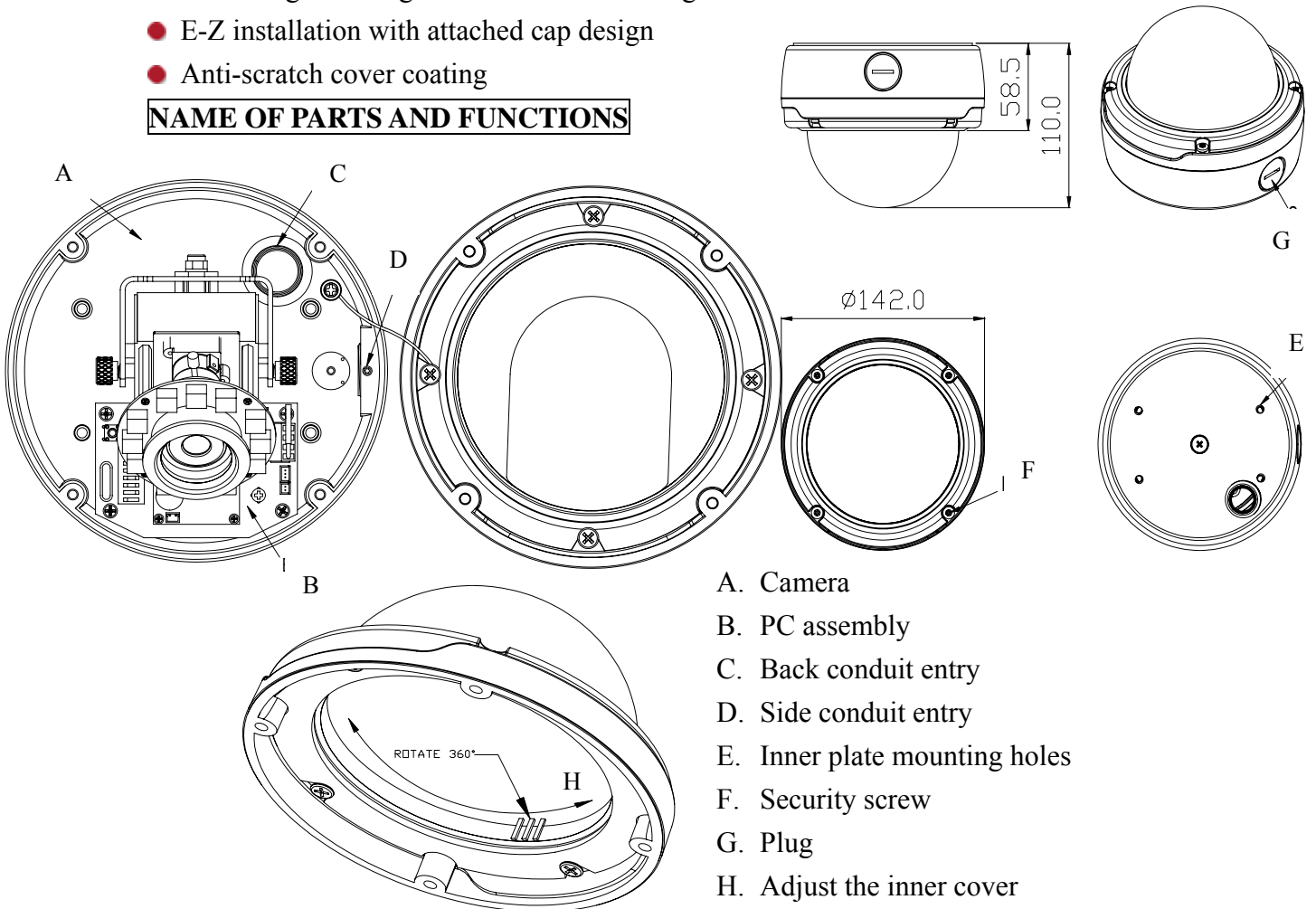
1. BNC connect to video monitor.

**Warning:** To prevent fire or electric shock hazard, do not expose the appliance to rain or moisture

## FEATURES

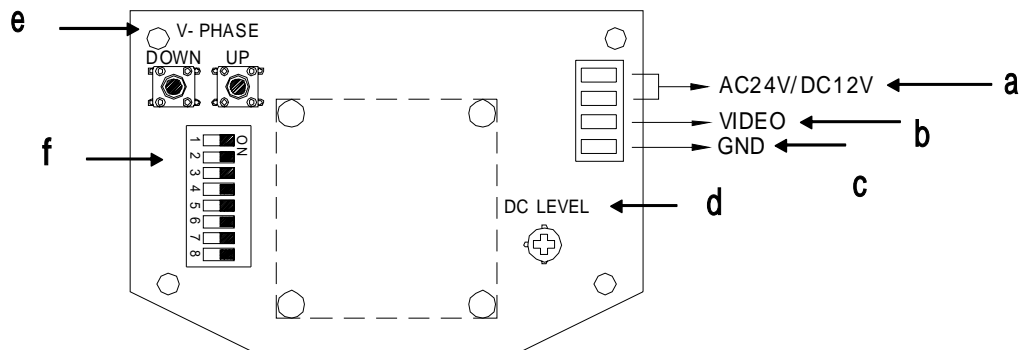
- 1/3" SONY Super-HAD
- 3.7~12mm auto iris lens
- Max. 10 pounds sledgehammer impact durability
- Water resistance IP 66 protection
- Wide range viewing 3D covert bracket design
- E-Z installation with attached cap design
- Anti-scratch cover coating

## NAME OF PARTS AND FUNCTIONS

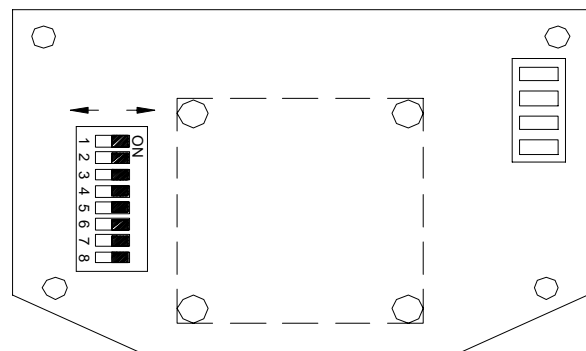


- A. Camera
- B. PC assembly
- C. Back conduit entry
- D. Side conduit entry
- E. Inner plate mounting holes
- F. Security screw
- G. Plug
- H. Adjust the inner cover

- a. Power source: AC24V/DC12V
- b. Video out
- c. GND
- d. DC level
- e. Phase Adj.
- f. Dip Switch



FUNCTION	←	→
1	AI	AES
2	BLCOFF	BLCON
3	SUPAGC	AGC
4	FLON	FLOFF

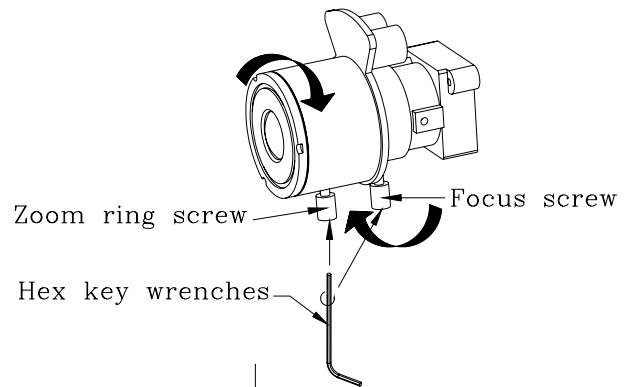


DELAY TIME	1sec	5sec	10sec	20sec	30sec	40sec	50sec	1min
5	←	←	←	←	←	←	←	←
6	→	←	→	←	→	←	→	←
7	→	→	←	←	→	→	←	←
8	→	→	→	→	←	←	←	←

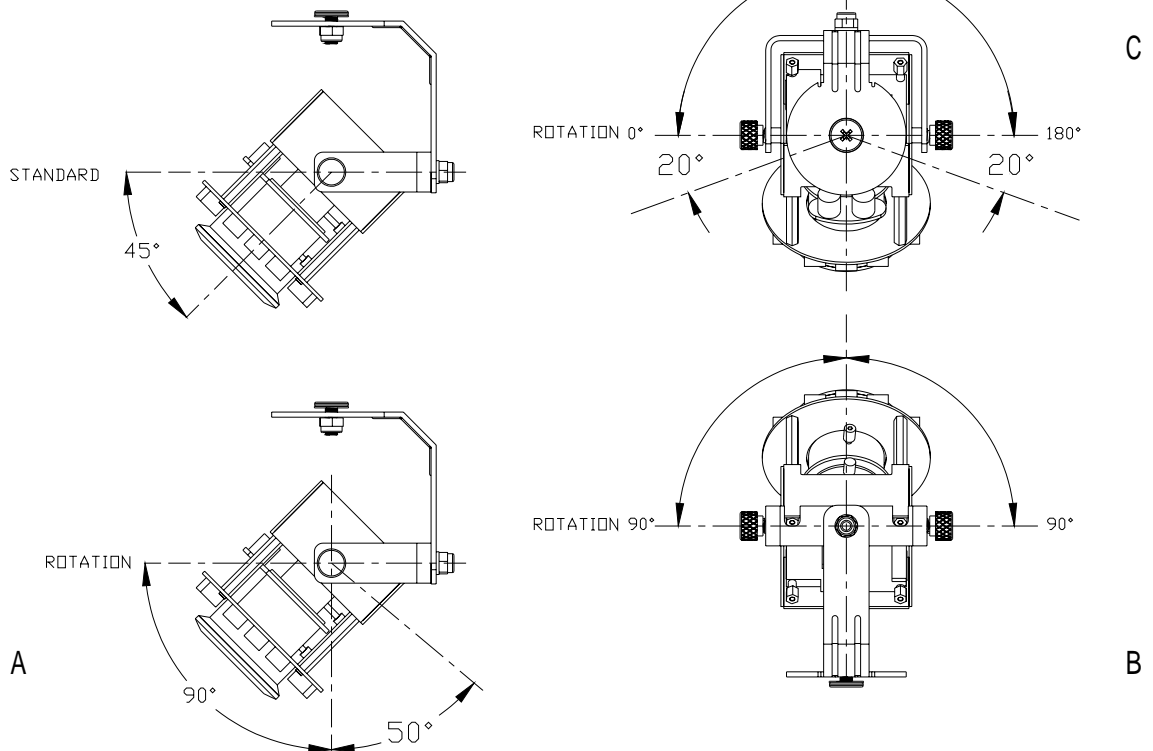
DELAY TIME	1.5m in	2m in	2.5m in	3m in	3.5m in	4m in	4.5m in	5m in
5	→	→	→	→	→	→	→	→
6	→	←	→	←	→	←	→	←
7	→	→	←	←	→	→	←	←
8	→	→	→	→	←	←	←	←

### ADJUSTING THE CAMERA ZOOM AND FOCUS

1. Loosen the zoom ring thumbscrew
2. Turn the zoom ring to set the desired zoom
3. Tighten the zoom ring thumbscrew
4. Loosen the focus ring thumbscrew
5. Turn the focus ring to set the desired focus
6. Tighten the focus ring thumbscrew
7. with the tool to adjust the focus

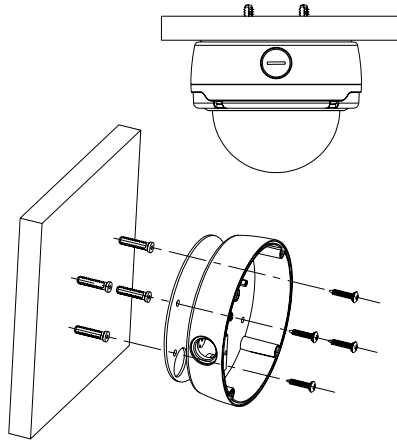


### CAMERA ADJUSTMENT



1. Horizontal angle adjustment: by turning the platform to adjust the horizontal angle B(90 degrees) and C(180 degrees)
2. Vertical angle adjustment: by turning the platform to adjust the vertical angle A (90 degrees)

## **MOUNTING THE HOUSING**



## **SPECIFICATION**

	<b>HIGH RESOLUTION</b>
Power requirements	DC 12V+AC 24V
Synchronization	Internal / Line-lock auto detect
Image device	1/3" SONY Super HAD CCD
Scanning system	P:625 lines, N:525 lines 2:1 interlace
Picture elements	PAL: 795 x 596, NTSC: 811 x 508
Horizontal resolution	530 TV lines
Min. illumination	0 lux under IR illumination
IR wavelength	700~1100nm (built in 850nm)
OLPF switching	Auto switching
S/N ratio	Better than 50 dB
Gain control	ON/OFF switchable
White balance	AWB
Gamma	0.45
BL compensation	ON/OFF switchable
Video output	1Vp-p, 75Ω composite
Focal length	9~22mm auto-iris DC drive lens
Current drain	400 mA at IR OFF, 650mA at IR ON max
IP rate	IP 66
Product material	Metal
Vandal proof	10 pounds of sledgehammer durability
Operating temperature	-10°C ~ 50°C (14 ~ 122 )