COMPOSITION:
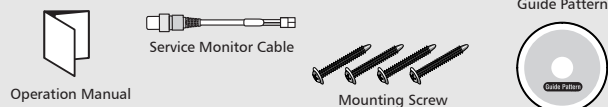
○ You must be fully aware of all the distinctive features and precautions related to this camera before installing it.

Operation Manual

Service Monitor Cable

Mounting Screw

Guide Pattern

INSTALLATION:

//////// Ceiling ////////

1 Stick the guide pattern on the wall or ceiling.

2 Drill four holes according to the guide pattern then insert anchors into the drilled holes.

3 Draw out power / video wires to the connecting places.

4 Fixed the camera to a celling using four screws.

5 Adjust desired focus and scene by turning and moving the 3-axis camera bracket by hand.

6 Put the dome cover over the base.

7 Fix the dome cover on the base by covering.

Guide Pattern

Dome Base

Mounting Screw
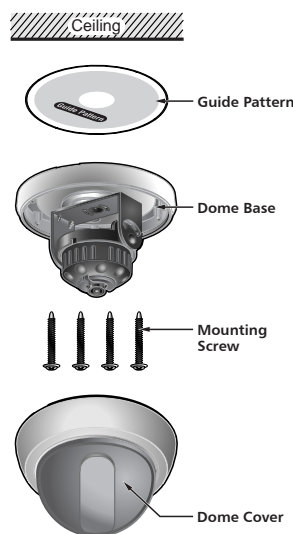
Dome Cover

⚠ NOTE

Insert coin to the side hole and remove the dome cover by twist coin.

DIMENSIONS(mm):

100.0
51.0
37.3
130.6
13.7
76.7
102.0
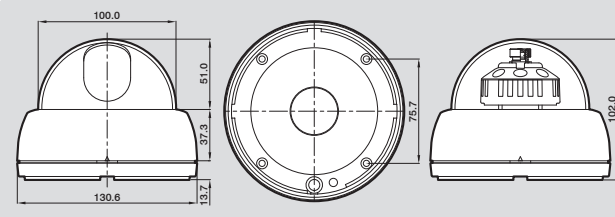
SPECIFICATIONS:

Model	NTSC	PAL
Signal System	NTSC : 525 Lines	PAL : 625 Lines
Scanning System	2 : 1 Interlace	
Scanning Frequency (H)	15.734kHz	15.625kHz
Scanning Frequency (V)	59.94Hz	50Hz
Image Sensor	1/3" SONY Super HAD CCD	
Total / Effective Pixels No.	270K / 250K	320K / 290K
S/N Ratio	More than 48dB (AGC Off)	
Resolution	380 TV Lines	
Video Output Level	1.0 Vp-p (75 Ohms, composite)	
Lens	Fixed Lens : f=4.0mm, 81°	
Focus	Manual	
Sync. System	Internal	
Sensitivity	0 Lux, IR LED	
Electronic Shutter	1/60 ~ 100,000 Sec.	1 /50 ~ 100,000 Sec.
White Balance	Auto	
AGC	On / Off	
BLC	On / Off (with Slide Switch)	
Flickerless	On / Off (with Slide Switch)	
Input / Output Connector	Power, Video	
Power Consumption	12VDC (10.8V~15V), 0.4A / 5W (Max)	
Dome Size (Ø)	100mm	
Weight	Approx. 366g	

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Call 1.800.796.CCTV for sales, service and customer support.
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P/N:3810-0072H Rev 0 03/18

Honeywell

HD60 *Series*

Operation Manual

- 1/3" Sony Super HAD CCD
- 380 TV Lines Resolution
- 4mm Fixed Lens
- Color Day/Night with 24 LEDs
- Auto White Balance
- AGC, BLC, Flickerless On/Off
- Extra Video Output for Installer
- 3-Axis Camera Construction
- Diameter of Bubble : 100mm

Simple to install

○ READ AND KEEP THIS OPERATION MANUAL

PRECAUTIONS:

❗ **Do not install the camera in extreme temperature conditions.** Do use the camera under conditions where temperatures are within -10°C to 45°C. Be especially careful with ventilation under high temperatures.

❗ **Do not install or use the camera in an environment where the humidity is high.** It can cause the image quality to be poor.

❗ **Do not disassemble the camera.** There are no user-serviceable parts inside it.

❗ **Do not drop the camera or subject them to physical shocks.** It can cause malfunctions to occur.

❗ **Note** *When this camera is installed near wireless communication devices that emits strong electromagnetic field, irregularity such as noise on the monitor may appear.*

NAME AND FUNCTION:

➲ *Fixed Lens & IR LED Type*

○ Design and specifications are subject to change without notice.
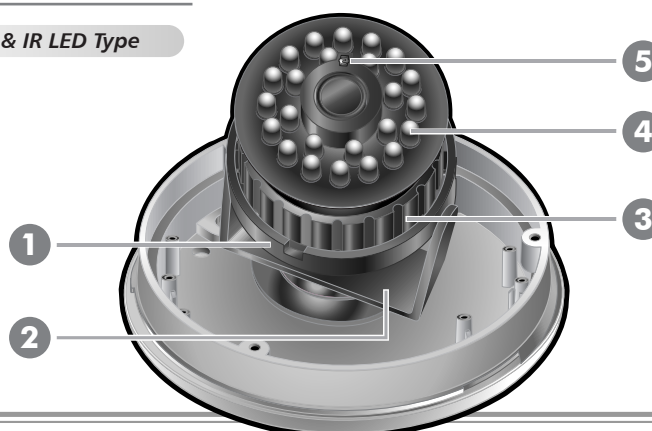
1 Tilt rotation: Adjusting the vertical angle.
2 Pan rotation: Adjusting the horizontal angle.
3 Horizontal rotation: Adjusting the horizontal position of the screen.
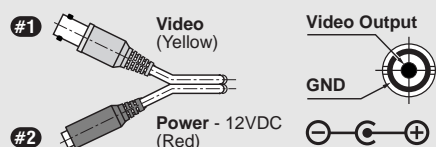**4 IR LED:** 850nm / 30°(24EA)
5 Sensor

Camera Lay-out

➲ *IR LED (4mm Fixed Lens)*
- **Power Consumption:** 5W
- **IR LED Specification:** 850nm / 30°(24EA)
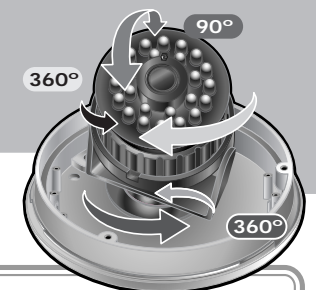
CONNECTION:

■ **Connecting to Monitor and Power**

➲ *12VDC Power Type*

#1 Video (Yellow)
#2 Power - 12VDC (Red)

Video Output
GND

- The wire is polarized. - Use 12VDC ⎓ power source.

No.	Function	Terminal Color	Remark
#1	Video Output	Yellow	1.0 Vp-p
#2	Power Input	Red	12VDC(10.8V~15V), 0.4A/5W(Max)

○ Built-in **3-axis** camera bracket makes it much easier to rotate in any direction.

90°
360°
360°

CAMERA SET-UP:

➲ *Fixed Lens & IR LED Type*
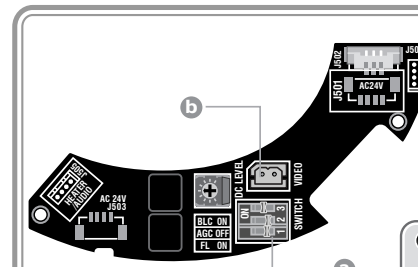
a **Function Selection Switch:**
- FL(Flickerless) ON/OFF
- AGC(Auto Gain Control) ON/OFF
- BLC(Back Light Compensation) ON/OFF

b **Service Monitor Connecter:** Use service monitor connector to set camera angle & focus when installing.

CAUTION : When AGC is off, D/N does not work because the D/N switching function is dependent on the AGC level.

TROUBLESHOOTING:

If you have trouble operating your camera, refer to the following. If the guidelines do not enable you to solve the problem, contact an authorized technician.

✔ The image does not appear on the screen.	• Check the power source for the monitor and camera and ensure that the voltage and polarity are properly connected and being supplied correctly.
✔ The image on the screen is dim.	• Check if the lens is stained. If dirty, clean the lens with a soft, clean cloth. • Adjust the Back Focus of the lens again.
✔ The camera does not work properly, the surface of the camera case is hot, and a black line appears on the screen.	• Check if you have connected the camera to a proper power source and If there is no problem with the power, turn the unit off immediately and seek assistance from our Customer Service department.
✔ The screen blinks a lot.	• Check if the camera is pointed toward the sun or a fluorescent lamp. • Adjust the angle or location of the camera if too much light is coming into the screen.

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