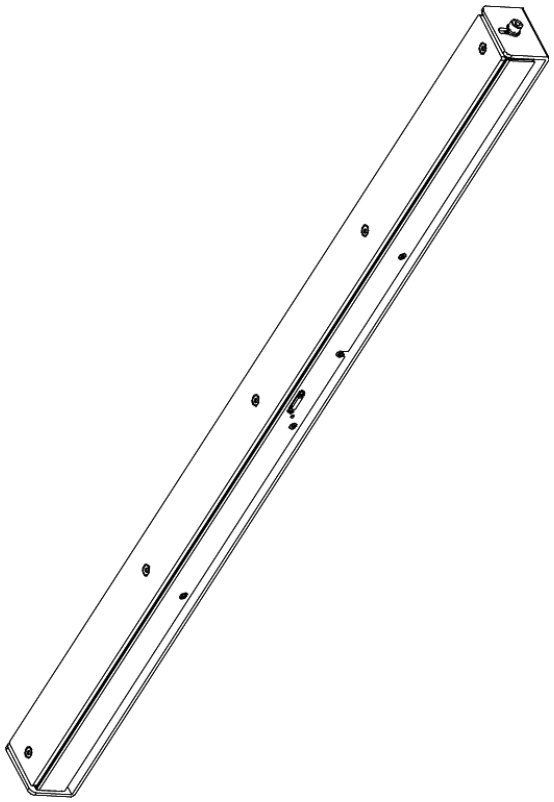
QUICK INSTALLATION GUIDE

FULL HD NETWORK CAMERA

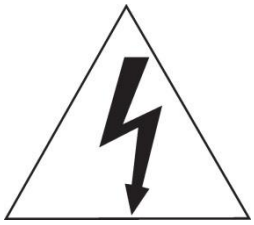


Please read this manual thoroughly before use, and keep it handy for future reference.

WARNING

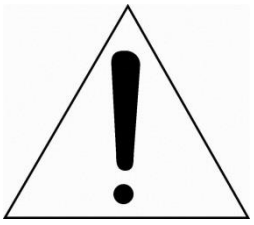
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT INSERT ANY METALLIC OBJECT THROUGH THE VENTILATION GRILLS OR OTHER OPENNINGS ON THE EQUIPMENT.

CAUTION



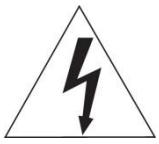
CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

EXPLANATION OF GRAPHICAL SYMBOLS



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of dangerous voltage within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

FCC COMPLIANCE STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, includinginterference that may cause undesired operation.

FCC INFORMATION: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interferenceat his own expense.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate theequipment.

This Class A digital apparatus complies with Canadian ICES-003.
Cet appareil numèrique de la classe A est conforme á la norme NMB-003 du Canada.

CE COMPLIANCE STATEMENT

WARNING

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequatemeasures.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturers in- structions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety, If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, conve- nience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used. Use caution when moving the cart/apparatus combination to avoid in- jury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. ***CAUTION – THESE SERVICING INSTRUCTIONS ARE FOR USE BY QUALIFIED SERVICE PERSONNEL ONLY. TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN THE OPERATING IN- STRUCTIONS UNLESS YOU QRE QUALIFIED TO DO SO.***

16. ***Use satisfy clause 2.5 of IEC60950-1/UL60950-1 or Certified/Listed Class 2 power source only.***

17. ITE is to be connected only to PoE networks without routing to the outside plant.

1 Introduction

The network camera supports the network service for a sensor image with progressive scan, which can be monitored on a real-time screen regardless of distances and locations. By using its dedicated program, many users are able to have an access to the network camera at once or a single user can monitor various network cameras at the same time. It also enables users to play, store and retrieve a monitoring image by using a PC. All the settings and real-time monitoring screens are also provided through an access to the web.

The network camera is fully featured for security surveillance and remote monitoring needs. It is based on the DSP compression chip, and makes it available on the network as real-time, full frame rate Motion JPEG and H.264 video streams.

1.1 COMPONENTS

This system comes with the following components;

Network Camera	1
Installation Guide / CD	1
Accessory Kit	1

Note 1. Check your package to make sure that you received the complete system, including all components listed above.

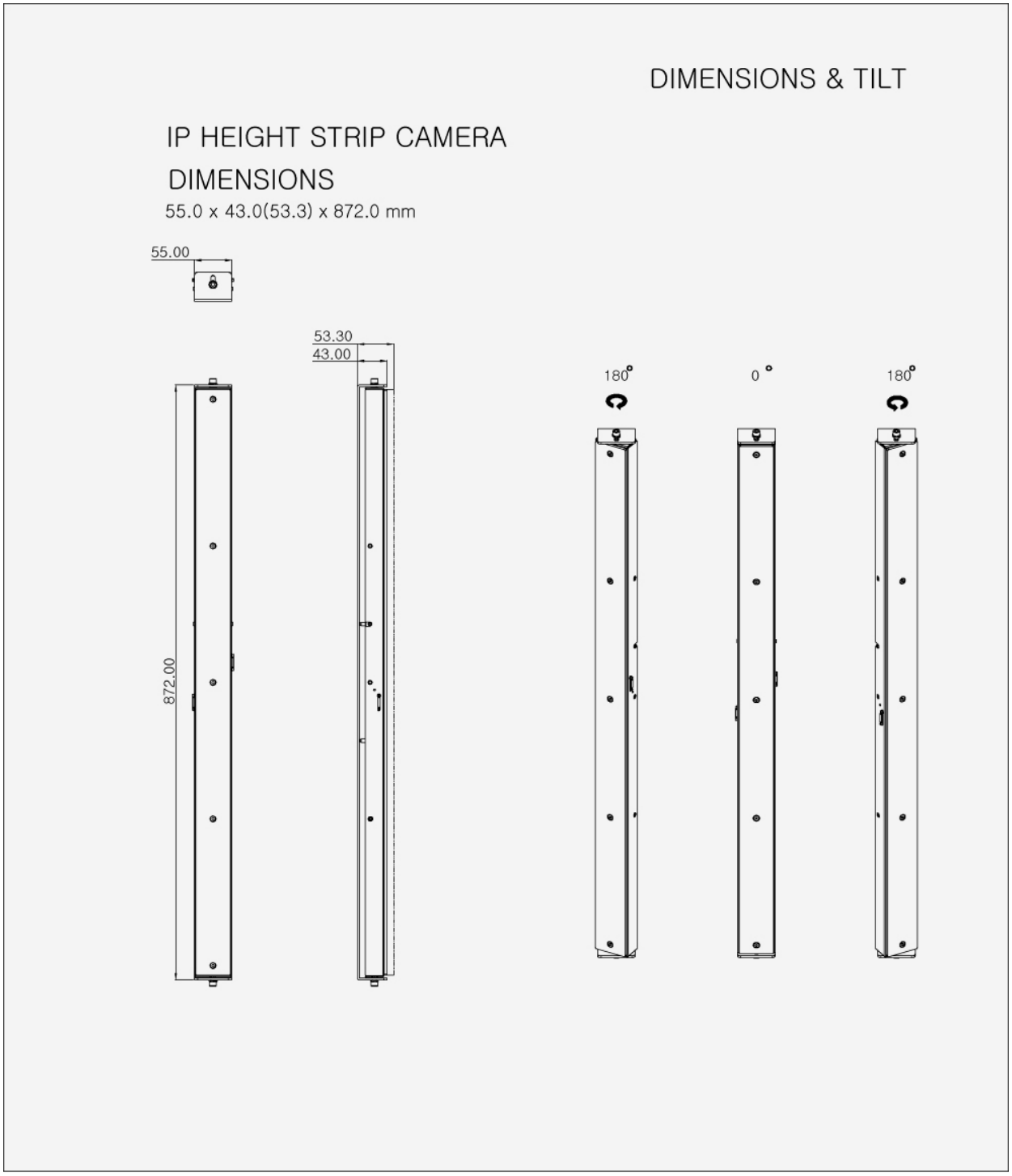
Note 2. Adapter for DC 12V is not supplied.

2 Installation

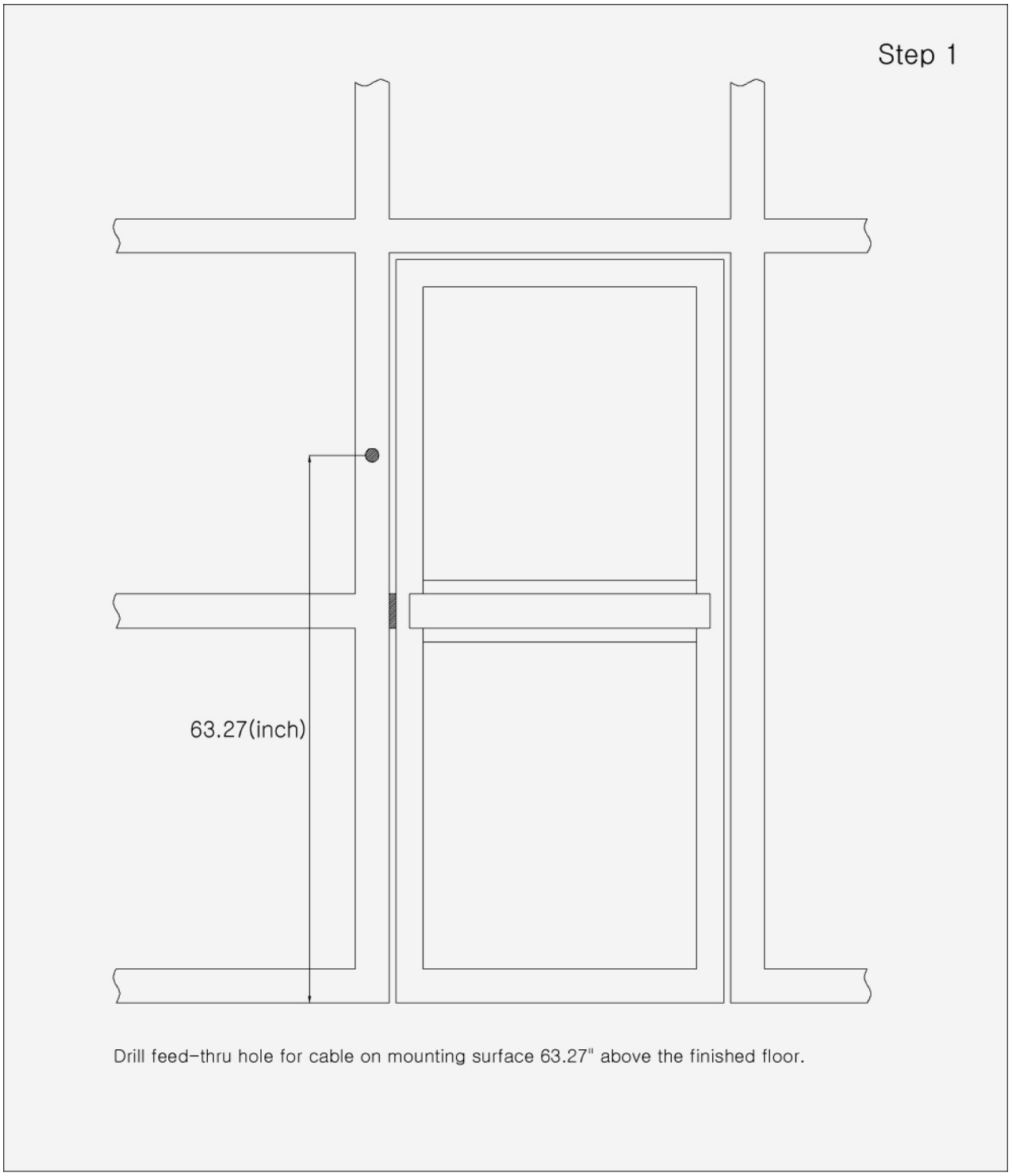
2.1 BASIC CONFIGURATION OF CAMERA SYSTEM

The camera must be installed by qualified service personnel in accordance with all local and federal electrical and building codes.

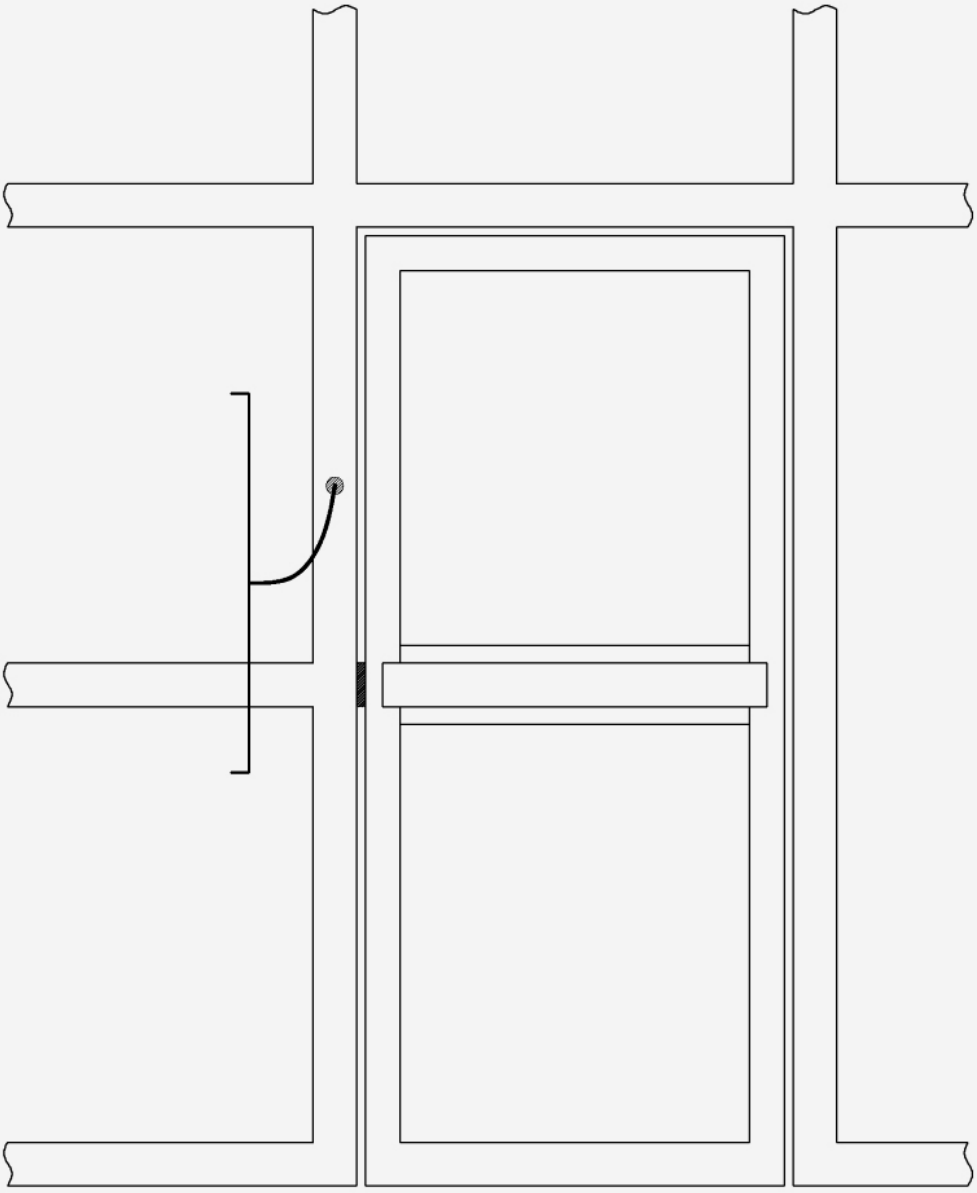
- **Camera Dimension**
  See the diagrams below for the exact dimension of the network camera.



• **Installing Camera**

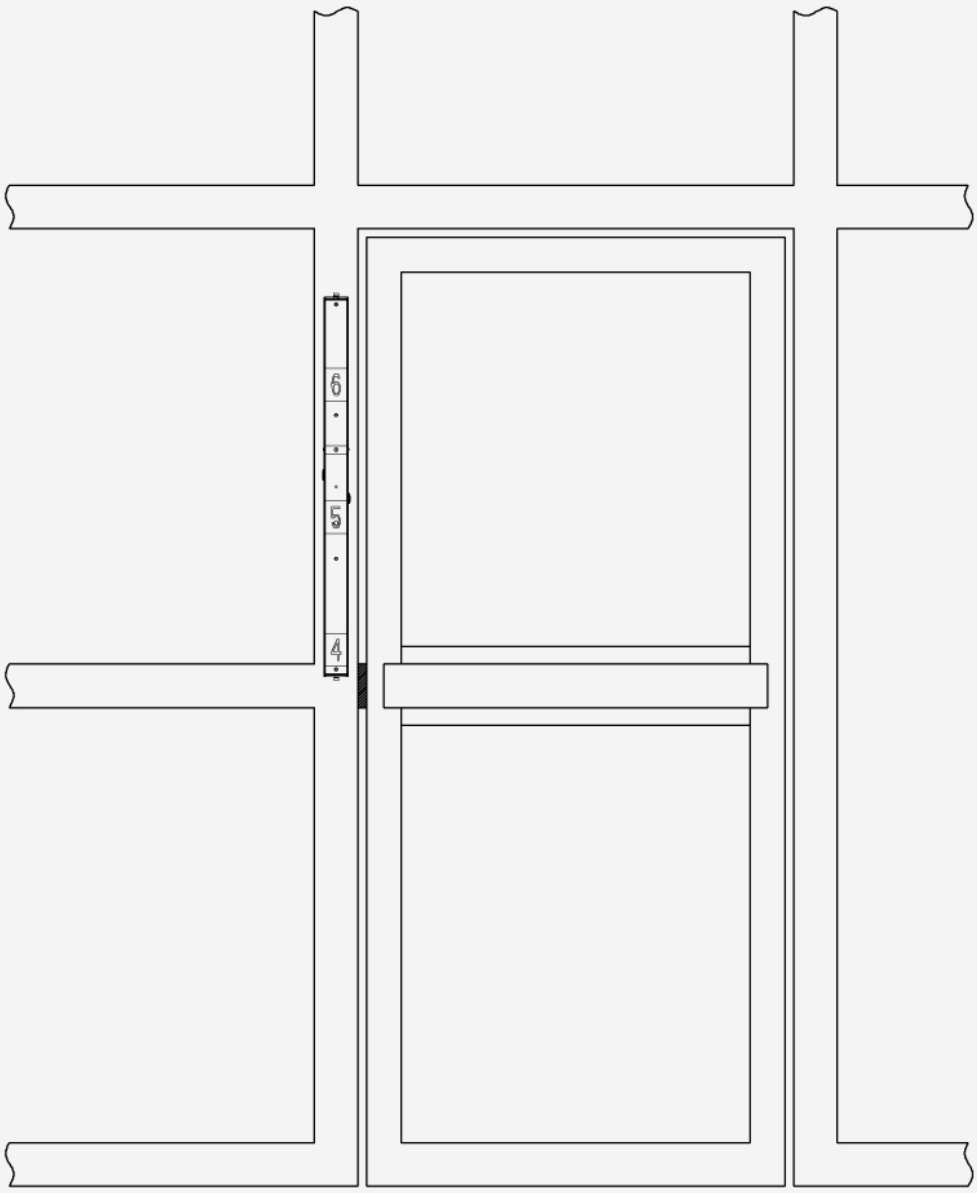


Step 2



Feed wire through the 1.0 inch hole on the gimble mount.

Step 3



Center the gimbal mount to mounting surface and mark the mounting holes for the gimbal mount on the surface.
Secure the gimbal mount to the surface using installer supplied self tappers for aluminum frame structure.
If mounting on soft surface such as drywall be sure to use to use anchors.

Completing the housing installation

Remove the four white head M4 screws that hold the face plate to the housing and set the face plate aside.

Feed the wire coming through the gimbal mount through the 3/4" hole in the back of the camera housing.
Attach the camera housing to the gimbal mount using the M6 Allen head screws and washer previously removed.
Place the external tooth washer between the housing and the gimbal mount then the split lock washer on the M6 screw and insert the screw into the housing through the gimbal mount and external tooth lock wasker. Install the bolt and washers assembly at the bottom and top of the gimbal mount finger tight. (See Figure-1)

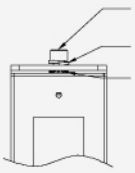


Figure-1

After connecting the rj45 and power to their proper connections replace the face plate that was removed in an earlier step using the four screws.
Adjust the position of the housing in the gimbal mount for the proper view and then tighten the top and bottom Allen head screws using an Allen head wrench.
Verify that the housing is in the proper position and is secure.

Note: Polarities must be observed the camera is POE & 12V DC and damage will result if power polarities are not observed. Power connector has a positive center pin.

Optional Camera Height Setting

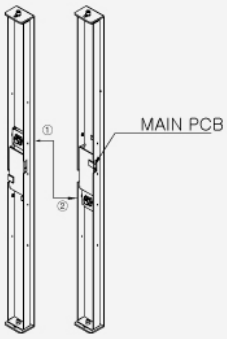
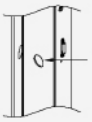


Figure-2

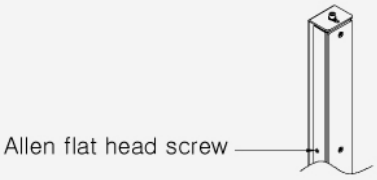
1.IP Height strip camera has the capability to be set in the housing at 5ft or 5.5ft above the floor. The default setting of the camera is set to 5.5ft. If the lower setting is desired the following housing change must be completed.

* Remove housing from gimbal
* Note the position of the hole in the housing base for cable throughput



The cable hole is at the centor of the mounting bracket

* Remove four flat head screws along each side of the housing and separate the front cover with the camera from the housing base



* From ① to ② to change the camera position and main pcb rotate 180°from original position. (See Figure-2)

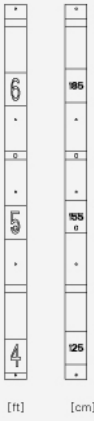
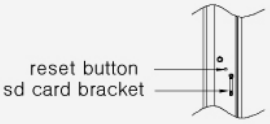


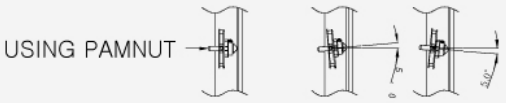
Figure-3

* Replace the front cover with the camera to the housing base after turning the cover 180°from original position.
Replace the three Allen head screws along each side of the housing and continue the installation

2. Sd card using mode.
* Remove sd card bracket along each side of the housing and insert the SD card.



3. Camera lens position can be adjusted up and down 5 degrees.



4. Two height marker strips are provided, one marked in feet and one marked in centimeters. Use the appropriate one. (See Figure-3)

2.2 CONNECTIONS

• Connecting the Network

Connect a standard RJ-45 cable to the network port of the camera. Generally a crossover cable is used for directly connection to PC, while a direct cable is used for connection to a hub.

• Connecting the BNC

Connect BNC cable for composite video output.

• Connecting the Power

Connect power of 12VDC for the camera.

When using a 12VDC adapter, connect the positive (+) pole to the '+' position and the negative

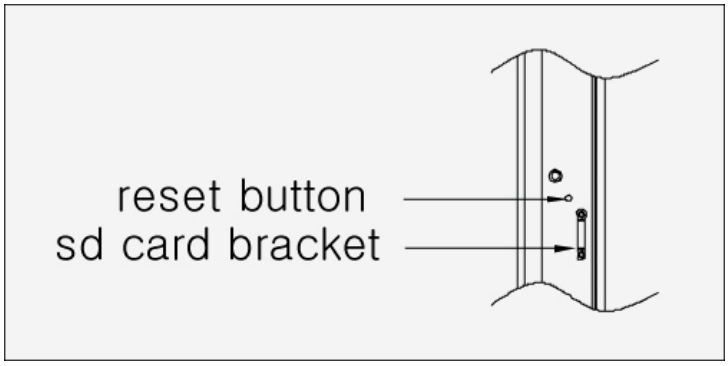
(-) pole to the '-' position.

Use satisfy clause 2.5 of IEC60950-1/UL60950-1 or Certified/Listed Class 2 power source only.

– Be careful not to reverse the polarity when you connect the power cable.

2.3 RESETTING TO THE FACTORY DEFAULT SETTINGS

To reset the network camera to the original factory settings, go to the Setup > System > Maintenance web page (described in “System > Maintenance” of User’s Manual) or use the **Reset** button on the network camera, as described below:



• Using the Reset button:

Follow the instructions below to reset the network camera to the factory default settings using the Reset button.

1. Switch off the network camera by disconnecting the power adapter.
2. Press and hold the Reset button on the board with your finger while reconnecting the power.
3. Keep the Reset button pressed for about 2 seconds.
5. Release the Reset button.
6. The network camera resets to factory defaults and restarts after completing the factory reset.

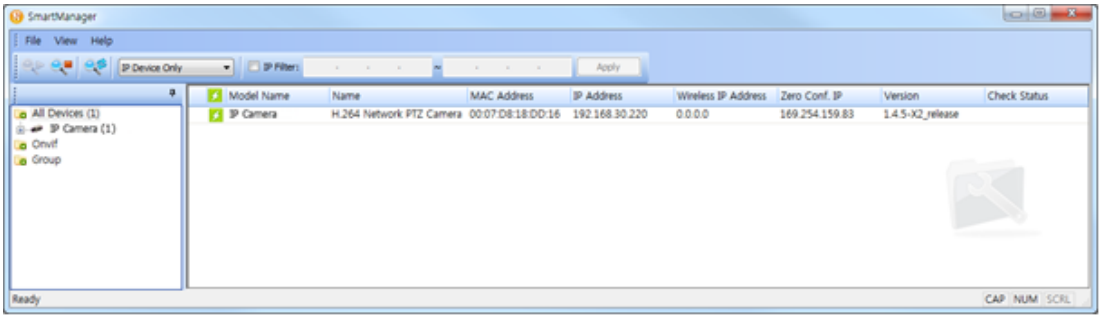
CAUTION: When performing a Factory Reset, you will lose any settings that have been saved. (Default IP 192.168.30.220)

2.4 NETWORK CONNECTION & IP ASSIGNMENT

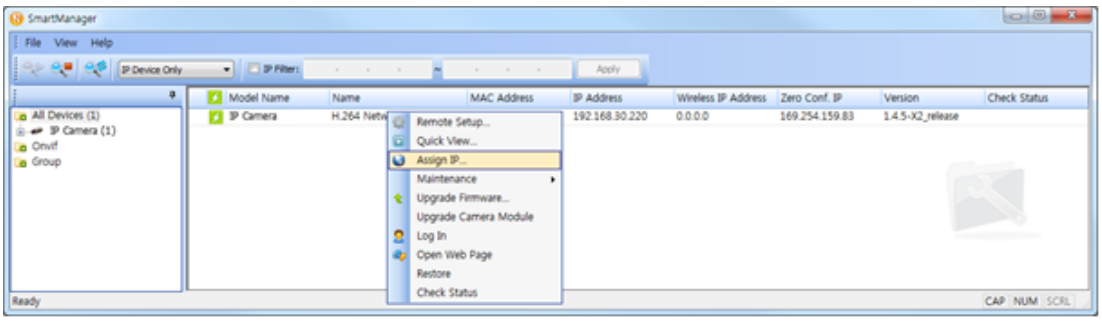
The network camera supports the operation through the network. When a camera is first connected to the network, it is necessary to allocate an IP address to the device with the SmartManager utility on the CD. (Default IP 192.168.30.220)

1) Connect the network camera/device to the network and power up.

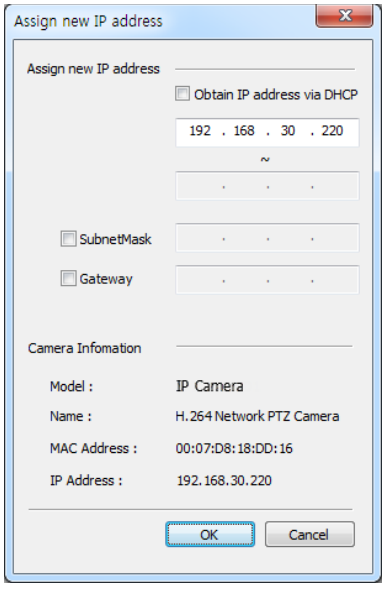
2) Start SmartManager utility (Start > All programs > SmartManager > SmartManager). The main window will display, and after a short while any network devices connected to the network will be displayed in the list.



3) Select the camera on the list and click right button of the mouse. You can see the pop-up menu as below.



4) Select Assign IP Address. The Assign IP window will display. Enter the required IP address.



NOTE: For more information, refer to the SmartManager User's Manual.

FULL HD NETWORK CAMERA

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