

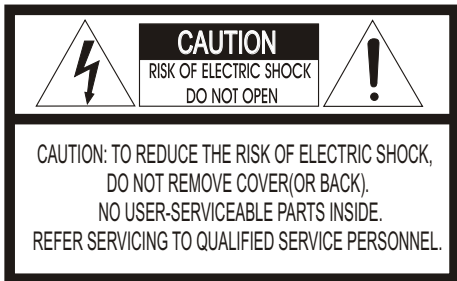
# Height Strip Covert Camera

*Please read this manual thoroughly before use, and keep it handy for future reference.  
Design and specifications are subject to change without notice.*

## WARNINGS AND CAUTIONS:

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

### CAUTION:



## EXPLANATION OF GRAPHICAL SYMBOLS



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's 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.

## PRECAUTIONS

### Installation -----

Do not install the unit in an extremely hot or humid place or in a place subject to excessive dust.

### Cleaning -----

Clean the unit with a slightly damp soft cloth.  
Use a mild household detergent. Never use strong solvents such as thinner or benzene as they might damage the finish of the unit.

Retain the original carton and packing materials for safe transport of this unit in the future.

## FCC COMPLIANCE STATEMENT

**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 INTERFERENCE AT HIS OWN EXPENSE.

**CAUTION :** CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

THIS CLASS A DIGITAL APPARATUS COMPLIES WITH CANADIAN ICES-003.

CET APPAREIL NUMÉRIQUE DE LA CLASSE A EST CONFORME À 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 ADEQUATE MEASURES.

# IMPORTANT SAFEGUARDS

---

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 manufacturer's instructions.
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, convenience 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 injury 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 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 INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO.**
16. Use satisfy clause 2.5 of IEC60950-1/UL60950-1 or Certified/Listed Class 2 power source only.

# INTRODUCTION

---

## Features:

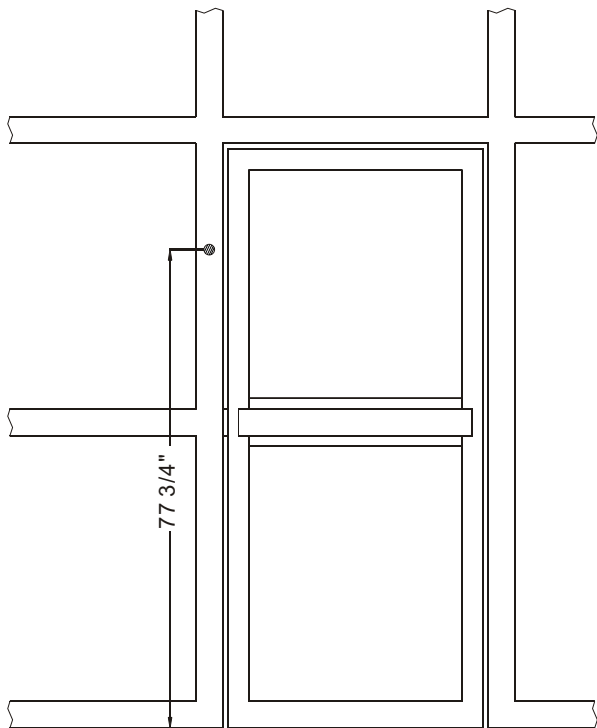
- High resolution and high performance 1/3" Color CCD
- Excellent picture quality
- 600 lines of resolution (Color)
- 0.1 lux(Color), 0.04ux(B/W) @ F1.2 - 50IRE Sensitivity
- Auto electronic shutter [1/60(1/50) ~ 1/100,000]
- Auto white balance
- AGC (Auto Gain Control)
- Use Certified / Listed Class 2 power source only
- 2D DNR (Digital Noise Reduction)
- Side Light Compensation
- 3.7mm Pin hole Lens
- BNC (Video connection), 2-Pin terminal block (Power)
- Operates in DC12~15V +/- 10%



**IMPORTANT :** The user of this camera is responsible for checking and complying with local, state, and federal laws and statutes concerning the recording and monitoring of audio signals.

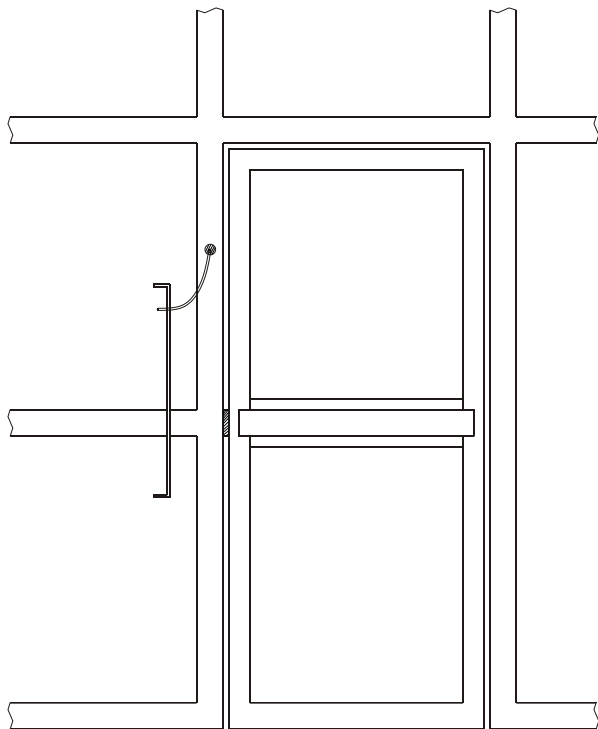
---

## Step 1



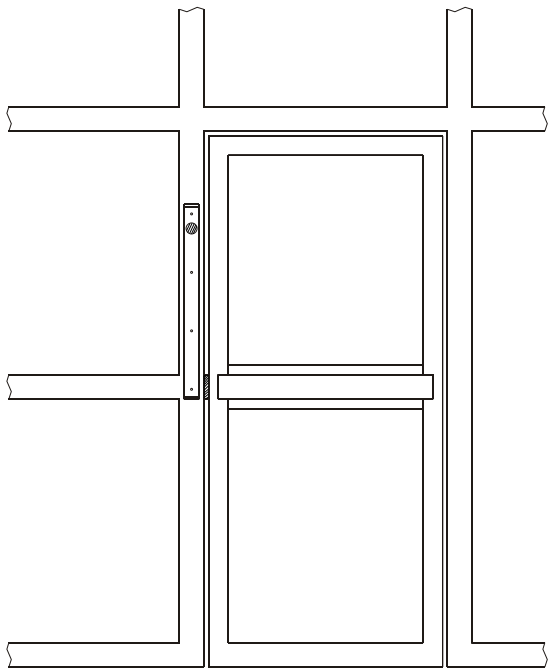
Drill feed-thru hole for cable on mounting surface  $77 \frac{3}{4}$ " above the finished floor.

## Step 2



Feed wire through the 3/4" 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.



## Step 4

---

### Completing the housing installation

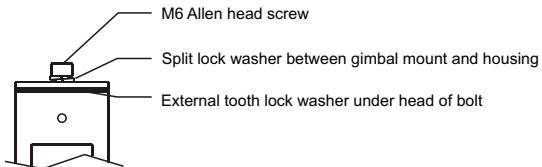
Remove the five white head M4 screws that hold the face plate to the housing and set the face plate aside.

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 washer.

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 video and power to their proper connections replace the face plate that was removed in an earlier step using the five 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.



# Optional Camera Height Setting

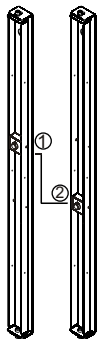
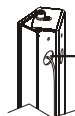


Figure-2

- The CHVD37JB/CHVD37PB/CHVD37PS 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 top of the mounting bracket

- \* Remove three Allen head screws along each side of the housing and separate the front cover with the camera from the housing base.



Allen head screw

- \* From ① to ② to change the camera position. (See Figure-2)
- \* 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

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

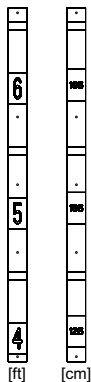
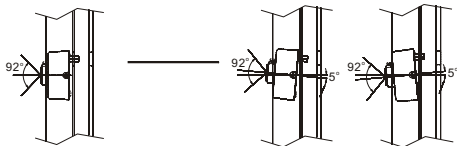


Figure-3

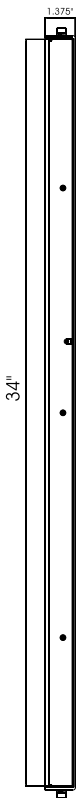
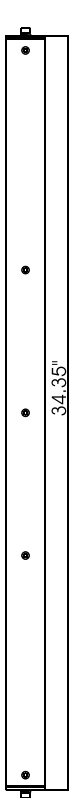
- Two height marker strips are provided, one marked in feet and one marked in centimeters. Use the appropriate one. (See Figure-3)

# DIMENSIONS

HEIGHT STRIP CAMERA

Unit: inch

CHVD37JB  
CHVD37PB  
CHVD37PS



# SPECIFICATIONS

MODEL		NTSC	PAL
Power	Power source	DC12~15V +/-10%	
	Power consumption	130mA (1.5 Watts)	
General	Image sensor	1/3" Color CCD	
	Number of pixels	768(H) x 494(V)	752(H) x 582(V)
	Scanning system	2:1 interface	
	Scanning frequency	15.734KHz(H) x 59.94Hz(V)	15.625KHz(H) x 50Hz(V)
	Sync. system	Internal	
	Electronic shutter	1/60 ~ 1/100,000 sec.	1/50 ~ 1/100,000 sec.
	Resolution	600 TV lines (Color)	
	Min. illumination	0.1 lux(COLOR), 0.04 lux(BW) @ F1.2, 50 IRE	
	Side Light Compensation	Auto	
	Digital Noise Reduction	2D DNR	
	Video output	1.0 Vp-p (75 ohm, composite)	
	S/N ratio	More than 50dB (AGC off)	
	Connector & etc.	AGC	ON
Day / Night		Auto	
White Balance		Auto(ATW)	
Power input		Terminal Block	
Video output		BNC Connector	
Lens mount		Fixed mount	
Lens		F3.7mm Pin hole Fixed	
Operating Temperature		-10°C ~ +50°C [14°F ~ 122°F]	
Operating humidity		0 ~ 96% (non-condensing)	
External Dimension		1.8"(W) x 34.4"(H) x 1.4"(D)	
Weight	set : 1260g packing : 2035g		

\* Use the power consumption 2W over.

# Height Strip Covert Camera

PRINTED IN KOREA