

# VANDAL X



## VX10

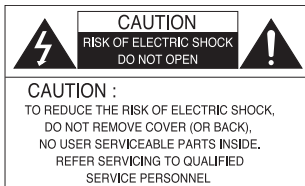
### Instruction Manual

**CLINTON** Electronics

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The lightning flash with an 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 appliance.

**INFORMATION -** This equipment has been tested and found to comply with 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.

**WARNING -** Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

**CAUTION :** To prevent electric shock and risk of fire hazards:

- ◆ Do NOT use power sources other than that specified.
- ◆ Do NOT expose this appliance to rain or moisture.

This installation should be made by a qualified service person and should conform to all local codes.

# UL Safety Fulfillment

## IMPORTANT SAFETY INSTRUCTIONS

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- 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.



Figure 12.20 – Tip-over and stability

- 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.

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## Warning

### **The camera requires periodic inspection.**

Contact an authorised technician to carry out the inspection.

### **Stop using your camera when you find it malfunctioning.**

If the camera emits smoke or is unusually hot for a long period, a fire may be caused.

### **Do not install the camera on a surface that can not support it.**

If the camera is installed on an inappropriate surface, it may fall and cause injury.

### **Do not hold plug with wet hands.**

It could cause an electric shock.

### **Do not dis-assemble the camera.**

It may result in an electric shock or other hazards.

### **Do not use the camera close to a gas or oil leak.**

It may result in a fire or other hazards.

## Precautions

**Do not install the camera in extreme temperature conditions.**



Only use the camera under conditions where temperatures are between -20°F ~ 122°F. Be especially careful to provide ventilation when operating under high temperatures.

**Do not install the camera under unstable lighting conditions.**



Severe lighting change or flicker can cause the camera to work improperly.

**Do not touch the front lens of the camera.**



This is one of the most important parts of the camera. Be careful not to leave fingerprints on the lens cover.

**Do not drop the camera or subject it to physical shocks.**



It can cause malfunctions to occur.

**Never keep the camera pointed directly at strong light.**



It can damage the CCD.

**Do not expose the camera to radioactivity.**



If exposed to radioactivity the CCD will fail.



**Notes**

- If the camera is exposed to spotlight or object reflecting strong light, smear or blooming may occur.
- Check that the power satisfies the normal specification before connecting the camera.

## Components

**1. Camera**



**2. EVA Foam Ring**



**3. Torx Wrench**



**4. Mounting Screws**



**5. Instruction Guide**



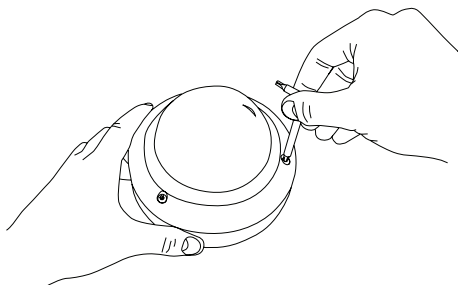


## Installation

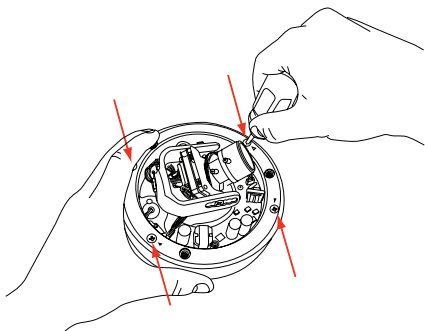
### Installing the Vandal X Dome Camera:

#### 1. Opening the Case

Use the supplied Torx wrench to remove the 3 Torx screws that hold the dome assembly onto the base.



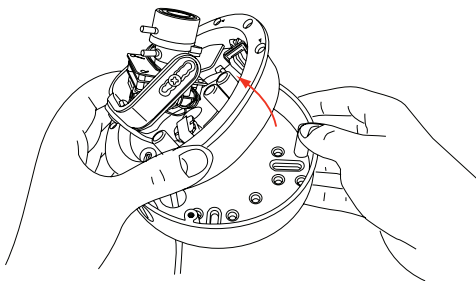
Locate and remove the 4 Phillips head screws that hold the inner case onto the camera base. **Note:** Arrowheads indicate screw location.



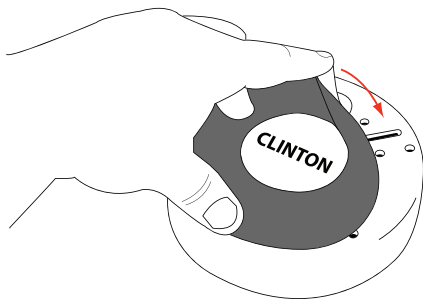
## Installation continued

### 2. Mounting the Camera

Remove the camera assembly from the camera base as shown below.

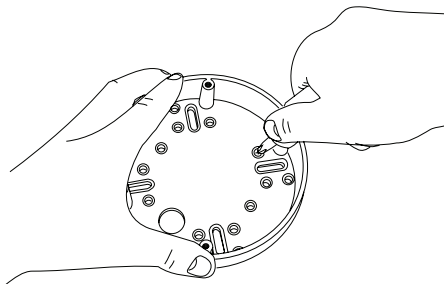


If desired apply the EVA foam ring to the bottom of the camera base as shown.



## Installation continued

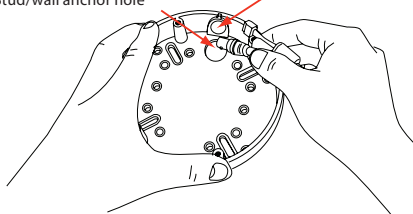
Secure the camera base to the desired mounting surface using the 4 supplied mounting screws. Choose the mounting hole pattern that best suits your application. Multiple mounting hole patterns are provided.



Feed the power and video cables through the desired access hole. Note the cable access options shown below.

**Cable Access Option 1:**  
Stud/wall anchor hole

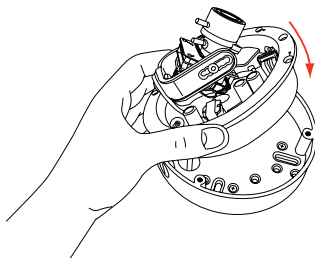
**Cable Access Option 2:**  
Conduit box hole



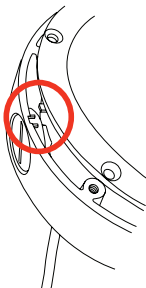
## Installation continued

### 3. Reassemble the Camera

Replace the camera assembly into the mounting base as shown below.



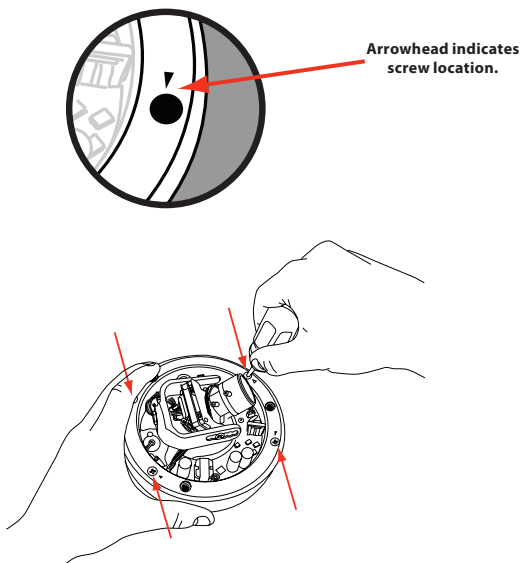
Align the tab with the slot when reassembling.



## Installation continued

Replace the four screws that hold the camera assembly to the base.

**Note:** Arrowheads indicate screw location.



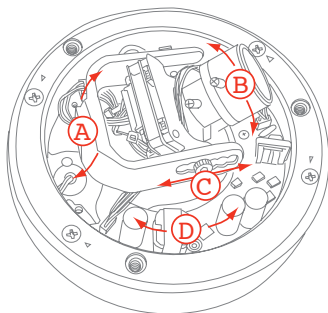
Before replacing the dome cover you may wish to test the camera with a test monitor. To test, plug in the CE-REMOTE into the DIN connection, and connect your test monitor to the BNC connection located on the CE-REMOTE cable. Refer to camera manual for detailed OSD adjustment settings.

**Note:** Not all Vandal X Dome Cameras support this function. Refer to specification for OSD Adjustment and Test Monitor Connection compatibility.

## Adjustment

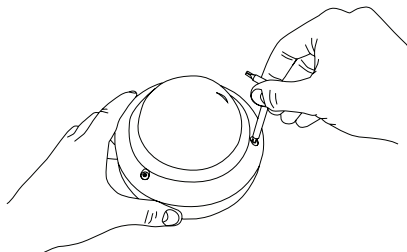
The Vandal X Dome Camera has four position adjustments:

- A.** Barrel rotation
- B.** Lens angle
- C.** Lateral adjustment (loosen thumb screws on each side to adjust)
- D.** Camera plate rotation (pinch the camera bracket by each thumb screw to rotate clockwise or counterclockwise)



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Tighten the 3 Torx screws that hold the dome cover onto the base to complete installation. Make sure that each screw is tight to ensure superior weather resistance.

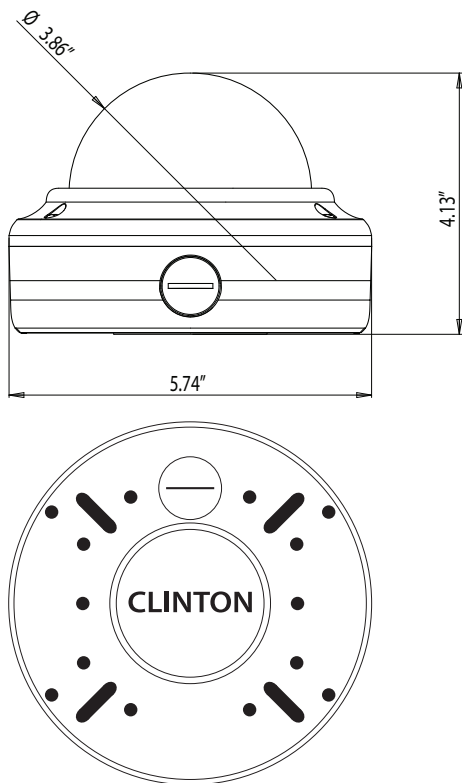


## Specifications

Camera	CE-VX10
Image Sensor	1/3 Inch SONY Color CCD
Resolution	420 TV Lines
Effective Pixels	512 (H) x 492 (V)
Scanning System	525 Lines, 2:1 Interlace
S/N Ratio	More than 48dB
Sync System	Internal
Minimum Illumination	1.0 Lux
Shutter Speed	1/60 ~ 1/100,000 sec.
Lens	4 ~ 9mm
Video Output	1.0 Vp-p, 75Ω
Power Consumption	Max. 110mA (AC24V), Max. 220mA (DC12V)
Power Requirement	DC12V / AC24V
Operating Temperature	-20°F ~ 122°F
Weather Rating	IP 68
Dimensions	5.74" (Dia.) x 4.13" (H)
Weight	2.75 lbs.

Information in this document is subject to change

## Dimensions





# MEMO



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