



152 Robbins Rd, Downingtown, PA, 19335, USA - [HuddleCamHD.com](http://HuddleCamHD.com) | 1 800 - 486-5276

## HuddleCamHD Wide Angle Webcam

USB 2.0 Webcam

### INSTALLATION & OPERATION MANUAL





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## Precautions.....

### Safety Tips.....

- Please read this manual carefully before using the camera.
- Avoid damage from stress, violent vibration or liquid intrusion during transportation, storage or installation.
- Take care of the camera during installation to prevent damage to the camera case, ports, or lens.
- Do not apply excessive voltage. (Use only the specified voltage.) Otherwise, you may experience electrical shock.
- Keep the camera away from strong electromagnetic sources.
- Do not aim the camera at bright light sources (e.g. bright lights, the sun, etc.) for extended periods of time.
- Do not clean the camera with any active chemicals or corrosive detergents.
- Do not disassemble the camera or any of the camera's components. If problems arise, please contact your authorized dealer.
- After long term operation, moving components can wear down. Contact your authorized dealer for repair.

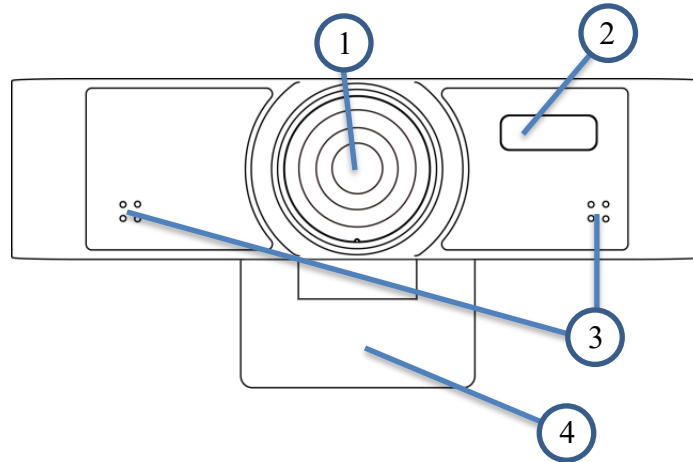
## In The Box.....

### Supplied Equipment

- Webcam (1)
- Privacy Cover
- User Manual (1)

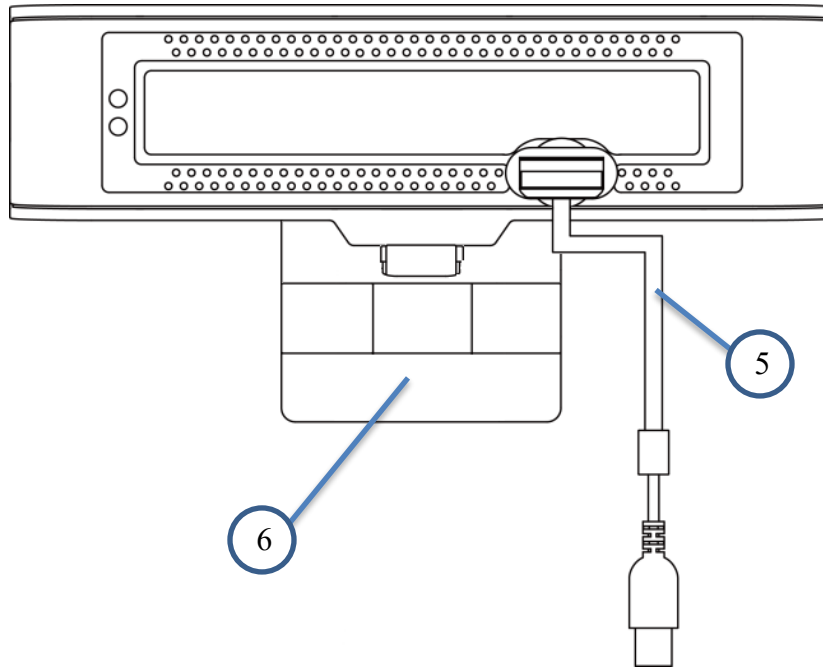
## Physical Description.....

### 1. Front View.....



1. **Lens**  
120° field of view lens
2. **Power LED**  
Blue LED lights when unit is powered and on.
3. **Microphone array**  
Internal microphone array with up to a 15-foot range
4. **Top Mount**  
Used for resting the camera on a monitor

## 2. Rear View.....



### **5. Built in USB 2.0 cable**

For connection to PC USB 2.0 port.

### **6. Bottom Mount**

Used for securing the camera in position on monitor

### **7. 1/4-20 Mount**

Used for mounting to any standard 1/4-20 mounting screw



## OSD MENU.....

On Screen Display Menu - Use the OSD menu to access and change the camera's settings by using the HuddleCamHD Webcam OSD Menu application.

### The camera OSD Menu is as follows:

- **Exposure**
  - **Full Auto**
    - **ExpCompMode** On/Off
    - **Exp Comp** -7 ~ +7 (Available when ExpCompMode is "On")
    - **Gain Limit** 0 ~ 15
    - **Backlight** On/Off
    - **DRC Strength** 0 ~ 8
    - **Anti-Flicker** Off/50Hz/60Hz
  - **Shutter Priority**
    - **Shutter** 1/30s, 1/60s, 1/90s, 1/100s, 1/125s, 1/200s, 1/250s, 1/350s, 1/500s, 1/725s, 1/1000s, 1/1500s, 1/2000s, 1/3000s, 1/4000s, 1/6000s, & 1/10000s
    - **DRC Strength** 0 ~ 8
  - **Bright**
    - **Bright** 0 ~ 17
    - **Gain Limit** 0 ~ 15
    - **DRC Strength** 0 ~ 8
    - **Anti-Flicker** Off/50Hz/60Hz



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- **Color**
  - **Auto**
    - **AWB Sens** **Low/Middle/High**
    - **RG Tuning** **-10 - +10**
    - **BG Tuning** **-10 - +10**
    - **Saturation** **60% - 200%**
    - **Hue** **0 - 14**
  - **Indoor**
    - **Saturation** **60% - 200%**
    - **Hue** **0 - 14**
  - **Outdoor**
    - **Saturation** **60% - 200%**
    - **Hue** **0 - 14**
  - **OnePush**
    - **AWB Sens** **High/Low/Normal**
    - **RG Tuning** **-10 - +10**
    - **BG Tuning** **-10 - +10**
    - **Saturation** **60% - 200%**
    - **Hue** **0 - 14**
  - **Manual**
    - **RG Tuning** **0 - 255**
    - **BG Tuning** **0 - 255**
    - **Saturation** **60% - 200%**
    - **Hue** **0 - 14**



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- **Image**
  - **Luminance** 0 – 14
  - **Contrast** 0 – 14
  - **Sharpness** Auto/0 – 15
  - **Flip-H** Off/On
  - **Flip-V** Off/On
  - **Gamma** Default/0.45/0.5/0.56/0.63
  - **Style** Clarity/Bright/PC/Clarity (LED)/Norm
  - **LDC** Off/-10 - +10
- **Focus**
  - **AF-Sense** Low/Medium/High
  - **Focus Mode** Manual/Auto/One-Shot
  - **Focus Area** Middle Area/Upper Half/All/Bottom Half
- **Noise Reduction**
  - **2D-NR** Close/Auto/1~5
  - **3D-NR** Close/1~8
- **Information** Displays current camera settings
- **Restore Default** Restore camera default settings



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## Connection Instructions.....

1. Connect USB 2.0 cable from webcam to an available USB port on the PC.
2. Select and configure camera in your software of choice.

**NOTE:** Failure to follow this sequence may result in no connection to PC.

## Care Of The Unit.....

Remove dust or dirt on the surface of the lens with a blower (commercially available).

## Installation Instructions.....

### Monitor Installation.....

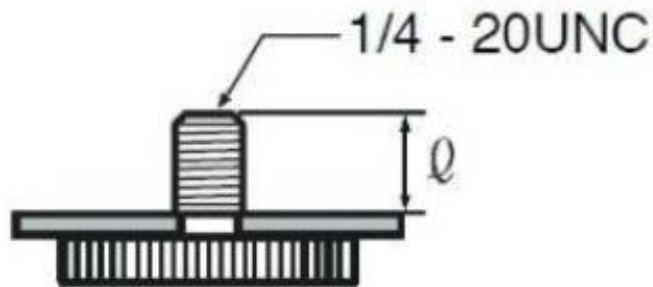
When mounting the HuddleCam on a monitor, ensure that the mount screw is fastened tightly to the camera. Use the top mount to rest the camera on the monitor. Position the bottom mount on the back of the monitor to secure the camera in position.



## [Tripod Installation.....](#)

When using the HuddleCam with a tripod, screw the tripod to the bottom of the camera mount. The tripod screw must fit below specifications:

**Note:** Tripod must stand on a level surface.



$$\phi = 5 - 7 \text{ mm}$$



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## [Troubleshooting.....](#)

- No image
  - Check whether the USB cable is connected properly to the PC.
  - Check whether the LED glows when USB is connected to the PC.
- Abnormal display of image
  - Check OSD of camera through the OSD Menu app.
  - Check settings of software you're viewing the video feed in.
- Image is shaky or vibrating
  - Check whether the camera is mounted solidly or sitting on a steady horizontal and level surface.
  - Check the building and any supporting furniture for vibration.
  - Any external vibration that is affecting the camera will be more apparent when in tele zoom (zoomed in) settings.



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### **Important Notes Regarding USB Connectivity:**

USB 3.0 ports are backwards compatible with USB 2.0 devices. USB 2.0 ports are not completely forward compatible with USB 3.0 devices (some USB 3.0 devices will connect to USB 2.0 with limited functionality).

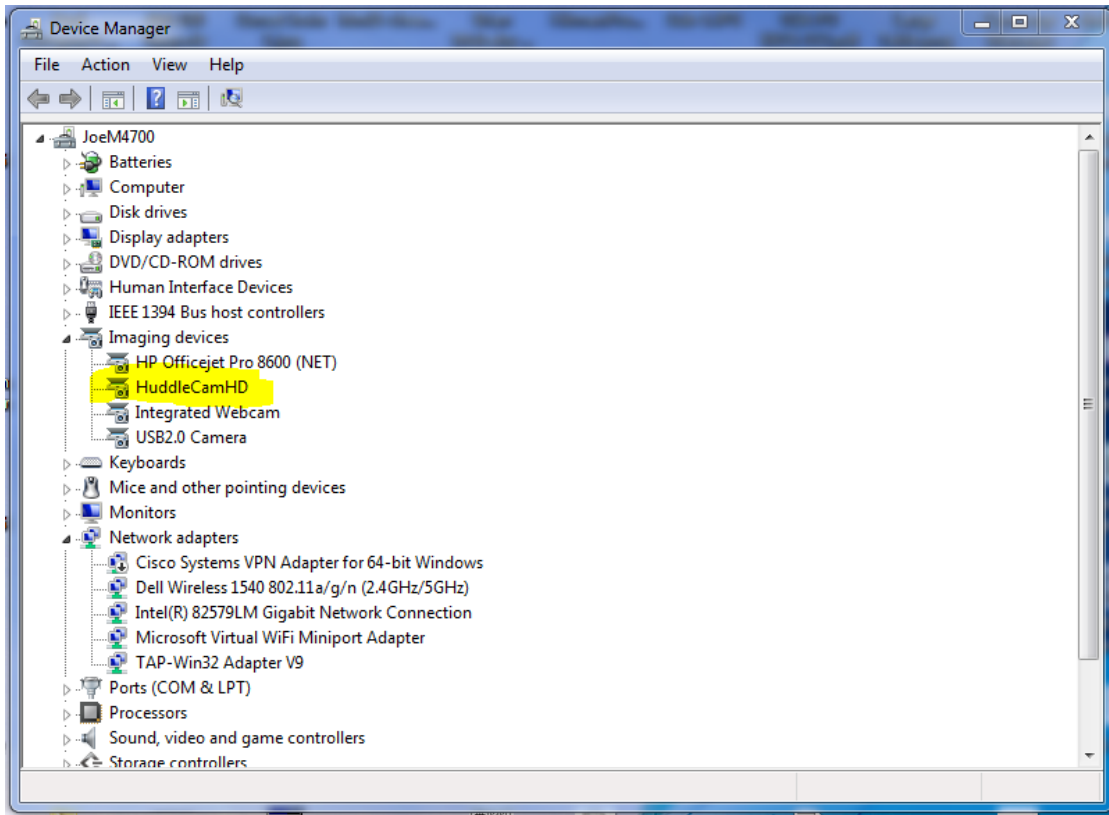
External USB hubs should be avoided (i.e. give the camera its own USB port on the device) as they are not well suited to transmitting HD video reliably.

USB extension systems must be fully compatible with the version of USB that you are using and must utilize an external power supply, when required. Always connect the HuddleCam directly to the PC in order to associate the UVC drivers before attempting to use any extension system.

USB power saving settings in the device's operating system should be turned off completely for reliable USB camera connectivity.

### **HuddleCam Cameras**

All HuddleCamHD cameras utilize the UVC (USB Video Class) drivers that are built into Windows, Mac OS and Linux to stream HD video to your device via your device's USB port (*USB 2.0 or USB 3.0 depending upon HuddleCam model*). When your device successfully recognizes the camera, your device will register the HuddleCam as an "imaging device". You can see this in your Windows Device Manager program (type "device manager" into the Windows search tool) as shown in the screenshot, below:



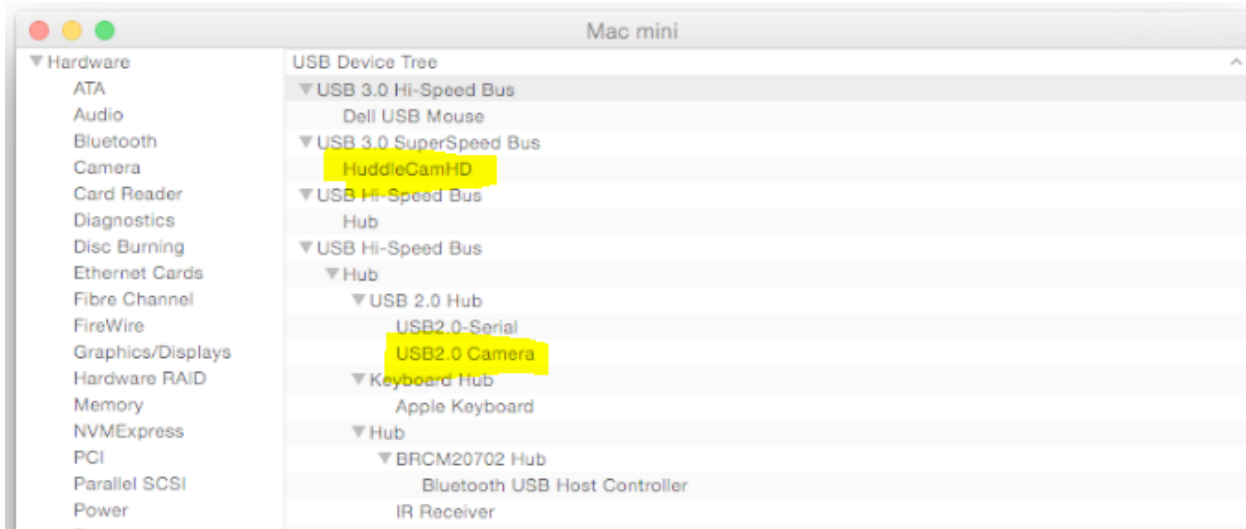
In this example, you can see the HuddleCam model in use connected as a fully functional USB 2.0 device (HuddleCamHD).

If your device has not connected to or has not recognized the HuddleCam as an imaging device (in which case, you may see a new “unknown device”, “Westbridge” or “CYTFX3” labeled device show up in Device Manager’s “Universal Serial Bus Controllers” section rather than in the “Imaging Devices” section), the HuddleCam will not be available to programs that utilize a camera. In this case, try restarting the device and reconnecting the camera ports USB (*USB 2.0 or USB 3.0 depending upon HuddleCam model*).



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Similarly, you can see a connected device in System Information on a MAC. See screenshot below:



In this example, you can see the HuddleCam model in use connected as a fully functional USB 2.0 device (HuddleCamHD).

## Specs.....

Model Number: HC-WEBCAM-120

### Camera & Lens

- Video CMOS Sensor 1/2.7" CMOS 2.07M Mega Pixel
- Frame Rate 1080p-30/25, 720p-30/25, 960x540p-30/25, 640x360p-30/25
- Field of View 120°
- Lens Focus: f=3.1mm
- Min Lux 0.05 Lux @ F1.8, AGC ON)
- Warranty 3 years parts and labor

### Rear Board Connectors

- Video Interface USB 2.0
- Power Interface USB 2.0 5V

### Physical

- Material Aluminum, Plastic
- Dimensions 4.6"W x 1.4"D x 1.2"H (118mm x 36mm x 30mm)
- Weight 0.2 lbs (93 g) (not including mounting bracket)
- Box Dimensions 5.5"W x 3"D x 3.125"H (139.7mm x 76.2mm x 79.4mm)
- Boxed Weight 0.75 lbs (0.34 kg)
- Color Black
- Operating Temperature 14°F to +104°F (-10°C to +40°C)
- Storage Temperature -40°F to 140°F (-40°C +60°C)
- Working Environment Indoor only