HuddleCamHD Pro Camera
4K USB 3.0 EPTZ Conferencing Camera

The HuddleCamHD Pro is a USB 3.0 camera that allows for fluid electronic pan, tilt and zoom. It features a beamforming dual microphone array providing intelligible audio up to 10' away.

KEY FEATURES

- 108° Field of View lens
- 1/4-20 mounting screw
- HDMI 1.4 (4K@30)
- Built in beamforming dual microphone array
- USB Powered
- IR Remote Control
- Auto Framing
- 4K@30 over USB 2.0 / 3.0*
- 10 Presets via IR Remote

WHAT’S IN THE BOX

- 4K EPTZ Camera
- IR Remote Control
- USB 3.0 A-B Cable
- Quick Start Guide

Camera & Lens Specifications

<table>
<thead>
<tr>
<th>Field of View</th>
<th>108°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video CMOS Sensor</td>
<td>1/2.5&quot; CMOS 8.51M Mega Pixel</td>
</tr>
<tr>
<td>Focal Length</td>
<td>2.8mm</td>
</tr>
<tr>
<td>Zoom</td>
<td>8x Digital Zoom</td>
</tr>
<tr>
<td>EPTZ Control Methods</td>
<td>UVC 1.5, IR Remote</td>
</tr>
<tr>
<td>Compression</td>
<td>MJPEG, YUY2, H.264</td>
</tr>
<tr>
<td>Resolution</td>
<td>3840x2160*, 1920x1080, 1280x720, 1024x576, 960x540, 960x480, 640x360</td>
</tr>
<tr>
<td>Frame Rate</td>
<td>50Hz: 1 ~ 25, 60Hz: 1 ~ 30</td>
</tr>
<tr>
<td>Min Lux</td>
<td>0.05 Lux @ F1.8, AGC ON</td>
</tr>
</tbody>
</table>

*Cannot perform 3840x2160@30 via H.264

Physical Specifications

<table>
<thead>
<tr>
<th>Connection Interface</th>
<th>USB 3.0, HDMI 1.4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>Aluminum, Plastic</td>
</tr>
<tr>
<td>Dimensions (in.)</td>
<td>7.63”W x 2.36&quot;H x 3.66&quot;D</td>
</tr>
<tr>
<td>Dimensions (mm.)</td>
<td>194mmW x 60mmH x 93mmD</td>
</tr>
<tr>
<td>Weight</td>
<td>0.7 lbs</td>
</tr>
<tr>
<td>Box Dimensions (in.)</td>
<td>9.375”W x 4.3125&quot;H x 4.625&quot;D</td>
</tr>
<tr>
<td>Box Dimensions (mm.)</td>
<td>238mmW x 109.5mmH x 117.5mmD</td>
</tr>
<tr>
<td>Boxed Weight</td>
<td>2.4 lbs</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>5V (USB 3.0 Power)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>14°F ~ 104°F (-10°C ~ 40°C)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40°F ~ 140°F (-60°C ~ 60°C)</td>
</tr>
</tbody>
</table>

Model Number: HC-EPTZ-USB
http://huddlecamhd.com/pro/
IR Remote Camera Control

Please note the included IR Remote will not control other HuddleCamHD cameras.

1. **Standby Button**
   - Press this button to enter standby mode.
   - Press it again to wake the camera.
   - NOTE: Power consumption in standby mode is approximately half of the normal mode.

2. **Numeric Keypad (0-9) Buttons**
   - Used to set a preset or call a preset and for use with the Special Shortcut Functions

3. **(asterisk) Button**
   - For use with multiple function buttons (see 12)

4&13. **Set/Clear Preset Buttons**
   - Set preset: Store a preset position [PRESET] + Numeric button (0-9): Setting a corresponding numeric key preset position.
   - Clear preset: Erase a preset position [RESET] + Numeric button (0-9)
   - Note: [*] + [#] + [RESET]: Erase all presets.

5&14. **Pan/Tilt & Home Control Buttons**
   - Press the arrow buttons to perform panning and tilting. Press the [HOME] button to face the camera back to its Home position.

6. **Return Button**
   - Press button to return to previous menu.

7. **Zoom Buttons (Slow & Fast)**
   - Zoom+: Zoom In (Slow and fast speeds)
   - Zoom-: Zoom Out (Slow and fast speeds)

8. **L/R Set Button**

9. **Focus Buttons**
   - Used for focus adjustment. Press [AUTO] to adjust the focus on the center of the object automatically. To adjust the focus manually, press the [MANUAL] button, and then adjust focus with [Far] (focus on far object) and [Near] focus on near object).

10. **Camera IR Address Select Buttons**
    - Press the button corresponding to the camera which you want to operate with the IR remote controller.

11. **# Button**
    - For use with multiple function buttons (see 12)

12. **Multiple Function Buttons**
    - Function 1. Set camera IR address function: Press 3 keys consecutively to set the camera’s IR address as follow:

    - [*] + [#] + [F1]: IR Address 1
    - [*] + [#] + [F2]: IR Address 2
    - [*] + [#] + [F3]: IR Address 3
    - [*] + [#] + [F4]: IR Address 4

    Function 2. Image freezing function: Press [F4] to start the freeze function. The word "Freeze" displays on the upper left corner. After five seconds, the display disappears automatically (though the freeze feature continues). To cancel the freeze, press the [F4] key the word "Unfreeze" displays on the upper left corner. After five seconds, the display disappears automatically.

15. **Menu Button**
    - OSD Menu Settings: Press this button to enter or exit the OSD (on screen display) menu.

16. **Backlight Button**
    - Backlight (aka BLC) button: Press this button to enable backlight compensation. Press it again to disable backlight compensation.
    - NOTE: Effective only in auto exposure mode.
    - NOTE: If there is a light behind the subject, the subject will appear dark (i.e. silhouetted). In this case, press the backlight button to turn BLC On. To cancel this function, press the backlight button to turn BLC Off.

17. **P/T RST Button**
    - Press the button to self-calibrate the pan and tilt positions and limits.

**Special Shortcut Functions**

- [*] + [#] + [1]: Display OSD menu in English
- [*] + [#] + [3]: Display OSD menu in Chinese
- [*] + [#] + [4]: Show IP address
- [*] + [#] + [6]: Quickly restore default settings
- [*] + [#] + [8]: Show the camera FW version
- [*] + [#] + [9]: Quickly set mounting mode (vertical flip / normal)