HuddleCamHD Pro IP Camera
NDI®|HX 4K EPTZ Camera

The HuddleCamHD Pro IP is a NDI®|HX 4K camera that allows for electronic pan tilt 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
- NDI®|HX Network connectivity
- 4K@30 capable
- Built in beamforming dual microphone array
- Power over Ethernet
- IR Remote control
- Auto Framing
- 255 Presets via IP

WHAT’S IN THE BOX
- 4K EPTZ Camera
- Power Supply
- IR Remote Control
- Quick Start Guide

Camera & Lens Specifications

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<th>Camera &amp; Lens Specifications</th>
<th>Physical Specifications</th>
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<tr>
<td>Field of View</td>
<td>108°</td>
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<tr>
<td>Video CMOS Sensor</td>
<td>1/2.5” CMOS 8.51M Mega Pixel</td>
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<td>Focal Length</td>
<td>2.8mm</td>
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<td>EPTZ Control Methods</td>
<td>IR Remote, VISCA over IP, HTTP-CGI</td>
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<tr>
<td>Compression</td>
<td>MJPEG, YUY2, H.264, H.265</td>
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<td>Resolution</td>
<td>3840x2160, 1920x1080, 1280x720, 1024x576, 960x540, 640x480, 640x360</td>
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<td>Frame Rate</td>
<td>50Hz: 1 ~ 25, 60Hz: 1 ~ 30</td>
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<tr>
<td>Min Lux</td>
<td>0.05 Lux @ F1.8, AGC ON</td>
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<tr>
<td>Zoom</td>
<td>8x Digital Zoom</td>
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| Connection Interface | RJ-45, USB 2.0 (Future use) |
| Material | Aluminum, Plastic |
| Dimensions (in.) | 7.63”W x 2.36”H x 3.66”D |
| Dimensions (mm.) | 194mmW x 60mmH x 93mmD |
| Weight | 0.7 lbs | 0.34kg |
| Box Dimensions (in.) | 9.375”W x 4.3125”H x 4.625”D |
| Box Dimensions (mm.) | 238mmW x 109.5mmH x 117.5mmD |
| Boxed Weight | 2.4 lbs | 1.1kg |
| Input Voltage | DC 12V / PoE (IEEE 802.3af) |
| Operating | 14°F ~ 104°F (-10°C ~ 40°C) |
| Storage Temperature | -40°F ~ 140°F (-40°C ~ 60°C) |
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
   To set preset or call presets and for 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)
[*] + [#] + [MANUAL]: Resets IP information
[#, *] + [#] + [4]: Enables DHCP IP configuration
[#, *] + [#] + [1]: Set IP to 192.168.100.81
[#, *] + [#] + [2]: Set IP to 192.168.100.82
[#, *] + [#] + [3]: Set IP to 192.168.100.83
[#, *] + [#] + [4]: Set IP to 192.168.100.84
[#, *] + [#] + [5]: Set IP to 192.168.100.85
[#, *] + [#] + [6]: Set IP to 192.168.100.86
[#, *] + [#] + [7]: Set IP to 192.168.100.87
[#, *] + [#] + [8]: Set IP to 192.168.100.88
[#, *] + [#] + [9]: Set IP to 192.168.100.89
[#, *] + [#] + [0]: Set IP to 192.168.100.80