

# HuddleCamHD 20X Gen2 Conferencing Camera

The HuddleCamHD 20X is ideal for medium to large sized meeting rooms. Comes standard with a certified SONY lens.

**Model Number:**  
**HC20X-GY-G2 (Black)**  
**HC20X-WH-G2(White)**  
<https://huddlecamed.com/huddlecamed-20x/>

## KEY FEATURES

- 20X Optical Zoom
- USB 3.0 (requires quad-core processor)
- USB 2.0 (Reduced FPS)
- RS-232 Serial Control
- 1920 x 1080
- 58° Field of View
- Up to 30 fps
- 64 Presets
- IR Remote



## WHAT'S IN THE BOX

- 20X Zoom USB 3.0 Camera
- 12V/2.0A DC Power Adapter
- Installation Bracket & Screw
- USB 3.0 Data Cable (3m)
- Serial Control Cable
- RS-232C to RS-485 Adaptor
- IR Remote Control
- User Manual  
(also available online)



### 1. Lens

20x Optical Zoom

### 2. IR Receiver

To receive IR remote controller signal

### 3. Power LED

Blue LED lights when unit is powered and is dark in standby mode.

### 4. Standby LED

Orange LED blinks for Stand-By status

### 5. USB 3.0 Interface

For connection to PC USB 3.0 port (also compatible w/ USB 2.0 port & driver)

### 6. IR Select Switch

Control up to 3 cameras through a single IR remote

### 7. VISCA IN Port

Used for connecting hard-wired joystick for camera control

### 8. VISCA OUT Port/RS-485

Used for daisy chaining multiple units in a succession with a hard wired joystick for camera control

### 9. DC In 12V Socket

Only use the power adapter supplied with this camera

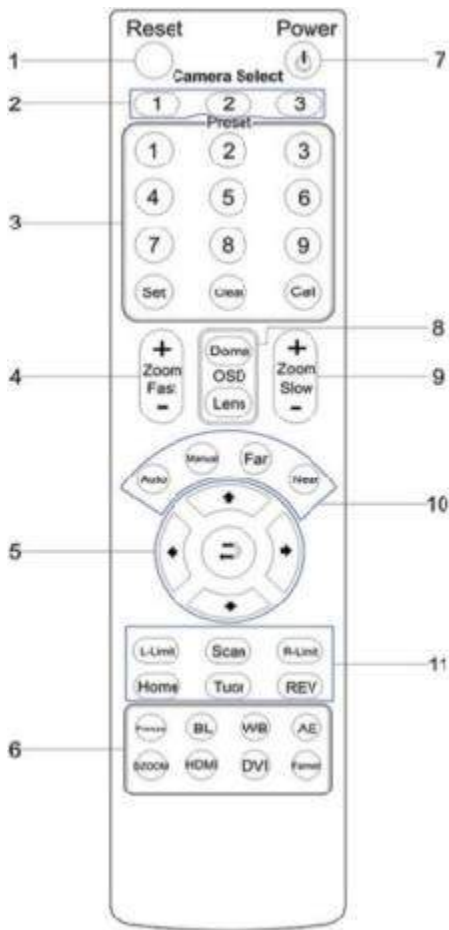
Image Sensor & Lens	
Video CMOS Sensor	1/2.8" CMOS, 2.1 Mega Pixel
Resolution	1080p-30/25, 720p-30/25
Frame Rate	up to 30fps (MJPEG)
Lens Zoom	20X Optical Zoom f=4.7-94mm
Field of View	5° (tele) to 58° (wide)
Pan/Tilt Movement	
Pan Movement	±340°
Tilt Rotation	Up: 90°, Down: 30°
Presets	64 Presets
Electrical Index	
Power Supply Adapter	12V DC 2A
Input Voltage	12V DC (10.5-14V DC)
Input Power	24W (Max)
Working Environment	Indoor
Other	
Mfg. Warranty	2 Years Parts & Labor

Physical	
Material	Aluminum, Plastic
Dimensions (in.)	5.7W x 6.4H x 6.0D (7.4H max w/ tilt)
Dimensions (mm)	145 x 163 x 151 (188H max w/ tilt)
Weight	2.52 lbs (1.14 kg)
Box Dimensions	12.1"W x 9.5"H x 9.6"D (307mm x 241mm x 244mm)
Boxed Weight	5.6 lbs (2.54 kg)
Operating Temperature	32°F to 113°F (0°C to 45°C)
Colors	Gray, White
Rear Board Connectors	
Video Interface	USB 3.0
Controller Signal Interface	Mini DIN-8 (VISCA IN/OUT, PELCO-D IN/OUT)
Controller Signal Config.	Dip-Switch Pin 6/TTL Signal
Baud Rate	9600 bps
Power Supply Interface	DC 12V 2A
Quality Management System	
QMS	Certified ISO9001: 2008

**Compatibility**

- |                      |                             |                         |  |
|----------------------|-----------------------------|-------------------------|--|
| • Windows 7/8/8.1/10 | • Easy Meeting              | • Polycom Real Presence | • Google Hangouts on Air                         |
| • Mac OSX            | • Facetime                  | • Radavision            | • YouTube Live                                   |
| • Acano              | • Fuzebox                   | • Spontania             | • Any app that supports the UVC camera interface |
| • Adobe Connect      | • Google Hangouts           | • Skype                 |  |
| • Blue Jeans         | • GoToMeeting               | • TurboMeeting US       |  |
| • Cisco Jabber       | • Lifesize                  | • Vidyo                 | *These apps do not support Image Flip            |
| • Cisco Webex*       | • Skype for Business (Lync) | • Zoom.US               |  |





















**IR Remote Control Functionality**






1. **Reset**  
Restarts the camera and restores it to Factory Default settings. (Note: Will delete all saved settings and presets.)
2. **Camera Selection**  
Select which Camera to control via IR: 1, 2 or 3
3. **Preset Positions**  
1-9: Preset Positions  
Set: Set a Preset Position  
Clear: Clear a Preset Position  
Call: Call a Preset Position  
Note: If you want to set (or call) the first preset position to 1, you simply press number key "1", then press "Set" or "Call" to set (call) the position.
4. **Fast Zoom In/Out Control Zone**  
+: Zoom In quickly  
-: Zoom Out quickly
5. **Pan/Tilt Controller**  
↑ Tilt Up  
↓ Tilt Down  
← Pan Left  
→ Pan Right  
↻ Auto Pan (through Full pan range)
6. **Additional Function Zone**  
Model Dependent Functions  
Not applicable to this model
7. **Power Supply Switch**  
Switch for turning camera on/off (i.e. Working mode vs. Stand-By mode)
8. **OSD Menu Zone**  
Model Dependent Functions  
Not applicable to this model
9. **Slow Zoom In/Out Control Zone**  
+: Zoom In slowly  
-: Zoom Out slowly
10. **Focus Control Zone**  
Auto: Turn on Auto Focus  
Manual: Turn on Manual Focus  
Far: Set focus at a farther distance (requires Manual Focus)  
Near: Set focus at a nearer distance (requires Manual Focus)
11. **Pan/Tilt Function Zone**  
Home: Go to camera's Home position  
Rev: Enable image flip for ceiling mounting  
L-Limit: Sets left limit for Scan feature  
R-Limit: Sets right limit for Scan feature  
Scan: Auto pan to L&R limits  
Tour: Auto tour of all saved presets











## Camera Line

	<b>HC-GO-BK</b>		<b>HC-GO-WH</b>	USB-powered, 110° HFOV, all-in-one Camera, Mic, & Speakerphone
	<b>HC3X-BK-G2</b>		<b>HC3X-WH-G2</b>	3X optical zoom, 74° HFOV, USB 2.0 video up to 1080p-30
	<b>HC3XA-BK</b>		<b>HC3XA-WH</b>	3X opt zoom w/ built in mic array, 74° HFOV USB 2.0 video up to 1080p-30
	<b>HC3XW-GY-G2</b>		<b>HC3XW-WH-G2</b>	3X Wide optical zoom, 90° HFOV, USB 3.0 video up to 1080p-30
	<b>HC10X-720-BK</b>		<b>HC10X-720-WH</b>	10X optical zoom, 57° HFOV, USB 2.0 video up to 1080p-30
	<b>HC10XA-BK</b>		<b>HC10XA-WH</b>	10X opt zoom w/ built in mic array, 57° HFOV USB 2.0 video up to 1080p-30
	<b>HC10X-GY-G3</b>		<b>HC10X-WH-G3</b>	10X optical zoom, 61° HFOV, USB 3.0 video up to 1080p-30
	<b>HC20X-GY-G2</b>		<b>HC20X-WH-G2</b>	20X optical zoom, 58° HFOV, USB 3.0 video up to 1080p-30
	<b>HC30X-GY-G2</b>		<b>HC30X-WH-G2</b>	30X optical zoom, 63° HFOV, USB 3.0 video up to 1080p-30
	<b>HC-SIMPLTRACK-TP</b>		<b>HC-SIMPLTRACK-CM</b>	20X optical zoom, 59° HFOV, Auto tracking camera w/ video up to 1080p-60





## Control Accessories

	<b>HC-JOY-G2</b>		RS232, RS485, & RS422 3D joystick, VISCA, Pelco-P, Pelco-D
	<b>DB9M-F-xx</b>		<b>VISCA-xx</b> VISCA RS232 Plenum cable, 4 lengths shown in ft. (xx=25, 50, 75, 100)

## Mounting Accessories

	<b>HCM-1-BK</b>		<b>HCM-1-WH</b>	Small Wall Mount, mounts directly to wall or box with supplied hardware
	<b>HCM-2-BK</b>		<b>HCM-2-WH</b>	Large Wall Mount, mounts directly to wall or box with supplied hardware
	<b>HCM-1C-WH</b>		<b>HCM-2C-WH</b>	Small/Large open ceiling mount, mounts to 1" NPT pipe
	<b>PT-CM-1-BK</b>		<b>PT-CM-1-WH</b>	Surface Ceiling Mount, mounts directly to ceiling or box w/ supplied hardware

## Conference Audio

	<b>HP-AIR-BK</b>		<b>HP-AIR-WH</b>	Wireless Speakerphone with USB receiver
	<b>HP-AIR-BA-BK</b>			Wireless Speakerphone with USB receiver and external amplifier feed
	<b>HP-AIR2-DUO</b>			Dual Wireless Speakerphones with USB receiver

