

### Compatibility

- Windows 7/8/8.1/10
- Mac OS X
- Acano
- Adobe Connect
- BlueJeans
- Cisco Jabber
- Cisco WebEx
- Easymeeting
- Facetime
- Fuzebox
- Google Hangout
- GoToMeeting
- Lifesize
- Skype for Business(Lync)
- Polycom RealPresence
- Radavision
- Spontania
- Skype
- TurboMeeting.US
- Vidyo
- Vsee
- Zoom.US
- Google Hangouts on Air
- YouTube Live

### Features

- 12X Optical Zoom
- USB 3.0 \*(requires quad core processor)
- RS-232 & RS-485
- 1920 x 1080
- 72.5° Field of View
- Wide Dynamic Range
- Up to 60fps
- 255 Presets
- IR Remote
- Wireless Receiver

The HuddleCam Air is ideal for medium to large sized meeting rooms providing a clean & easy installation.



**HuddleCAM AIR**  
Model Number: HCA12X-SV



### Specifications

#### Camera & Lens

Video CMOS Sensor	1/2.7" CMOS 2.07 Mega Pixel Sensor
Video Signal	1080p 30/25 1080i 60/50 720p 60/50
Lens Zoom	12X Optical Zoom, 16X Digital
Olympus Lens	f=3.5 ~ 42.3mm, f=1.8 ~ 2.8mm
Field of View	6.9° ~ 72.5° (Horizontal) 3.9° ~ 44.8° (Vertical)
Scanning mode	Progressive
Shutter Speed	1/25s ~ 1/10,000s
Min Illumination	0.5 Lux at F1.8 (AGC On)
White Balance	Auto, Indoor, Outdoor, One-Push, Manual
Backlight	Backlight compensation supported
Digital Noise	2D & 3D Digital Noise Reduction
Video S/N	≥55dB
Number of Presets	255
Preset Accuracy	0.1°

#### Pan/Tilt Movement

Pan Movement	±170°
Tilt Rotation	Up: 90°, Down: 30°
Presets	255

#### Electrical Index

Power Supply Adapter	12V DC 2A
Input Voltage	12V DC (10.5-14V DC)
Input Power	24W (Max)

#### Camera Interface & Dimensions

Network Interface	1X RJ45: 10M/100M Ethernet Port
Communication In/Out	1X RS-232 IN: 8pin Min-DIN, Max 30m 1X RS-485: 2pin port, Max 1500m
Control Protocols	VISCA/Pelco-D/Pelco-P
Power Supply Interface	JEITA type (DC IN 12V)
Camera Size (in.)	9.4W x 5.6H x 7.4D (8.5H w/tilt up)
Camera Size (mm.)	(239W x 143H x 188D) [214H w/ Tilt up]
Camera Weight	3.4 lbs (1.68 Kg)

## Specifications Continued

### Wireless Receiver Specifications

Range	80 feet open space (Clear line of sight)
Wireless Frequencies	5.15-5.25, 5.25-5.35, 5.47-5.72, 5.72-5.8 (GHz)
Input Voltage	5V DC
Current Consumption	2.0A (Max)
Operating Temp	23°F ~ 104°F (-5°C ~ 40°C)
Storage Temp	-4°F ~ 140°F (-20°C ~ 60°C)
Power Consumption	10W
Dimensions (in.)	3.00 W x 10.00 D x 1.25 H
Dimensions (mm)	76.2 W x 254 D x 31.75 H
Weight	0.66 lbs (0.29 Kg)
OS Support	Windows XP, Vista, 7, 8, OS X 10.4 and up

### Quality Management System

Certified ISO9001: 2008

### What's in the Box

12X Zoom Wireless Camera
12V DC 2.0A Power Adapter
Wireless Receiver & Power Supply (5V DC 2A)
USB 3.0 A-B Cable (2m)
IR Remote Control
User Manual (also downloadable online)

### Receiver Input/Output Interface

Interface	USB 3.0, USB 2.0*
	*limited frame rates & resolution
Connector	USB 3.0 B-Type Connector
Power Connector	5.5mm (DC IN 5V)

### Wireless Transmission Specifications

Range	80 feet open space (Clear line of sight)
Wireless Frequencies	5.15-5.25, 5.25-5.35, 5.47-5.72, 5.72-5.8 (GHz)
Frequency Stability	± 10 PPM
Bandwidth	20 / 40 MHz
Receiving Sensitivity	≤ - 75 dBm
Transmission Power	13 ± 2dBm
Antenna(s)	Internal



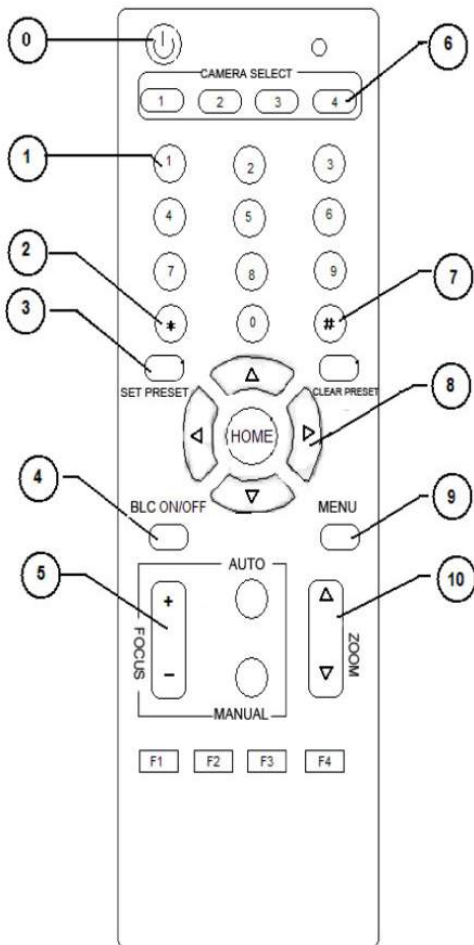
Capable of 1920x1080p  
Up to 80' from Camera/Receiver





- 1. **Lens**  
12x Optical Zoom.
- 2. **Camera Base**
- 3. **Tripod Screw Hole**  
Will accept 1/4-20 bolt from 3rd party tripod, wall or ceiling mount.
- 4. **IR Receiver**  
To receive IR remote controller signal.
- 5. **Wireless Receiver**  
Provides USB 3.0 connectivity.
- 6. **USB 3.0 Port**  
USB 3.0 port for connection to computer.
- 7. **System Select**  
For selecting output resolution.
- 8. **VISCA Port**  
For hard wired remote control from a 3rd party PC, joystick, etc...
- 9. **Ethernet Port**  
For Remote PTZ Camera Control & IP Streaming capabilities.
- 10. **Camera Power**  
Only use the Power Adapter supplied with this camera.
- 11. **On/Off Switch**  
Turns camera on and off.
- 12. **Receiver Power**  
Supplies power to wireless receiver. Only use supplied power supply.

## Remote Control



- 0. **Standby key**  
After pressing the standby key, the camera will go into standby mode. Press again, the camera will turn on. (Note: Standby mode power consumption is about half of normal mode consumption)
- 1. **Number keys**  
For setting or recalling presets.
- 2. **\* key**  
For key combination use.
- 3. **Set preset key:**  
Set preset key + 0-9 number key.  
Clear preset key.  
Clear preset key + 0-9 number key or .#+##+. clear all the presets.
- 4. **BLC control key**  
BLC ON: Turn on Back Light Compensation (only works when exposure mode setting is Auto)  
BLC OFF: Turn off Back Light Compensation (Only available in the exposure mode effective for Auto).
- 5. **Focus control**  
Focus+: focus farther away  
Focus-: focus nearer  
Auto focus: automatically focus on item in center of frame  
Manual focus: To use Focus + and -
- 6. **Camera address selection:**  
Select the camera which you want to be controlled. For multiple camera control using same IR remote.
- 7. **# key**  
For key combination use.
- 8. **Pan/Tilt Controller**  
  - ↑ Move Up
  - ↓ Move Down
  - ← Move Left
  - Move Right
 (HOME) key: Return to the middle position.
- 9. **Menu setting**  
Open or close the OSD menu
- 10. **Zoom Control**  
  - ↓ Zoom Out
  - ↑ Zoom In
- 11. **Camera IR remote control address selection**  
 Camera Address No.1 : (\*)+(#+)(F1)  
 Camera Address No.2 : (\*)+(#+)(F2)  
 Camera Address No.3 : (\*)+(#+)(F3)  
 Camera Address No.4 : (\*)+(#+)(F4)

Still have questions?  
Give us a call.

