

HuddleCamHD USB2AIR

Wireless USB 2.0 Link

The HC-USB2-AIR is a low-latency Wireless USB Link designed for wireless USB (2.0) devices of all kinds, including wireless virtual reality, augmented reality, and mixed reality applications

Model Number:

HC-USB2-AIR

<http://huddlecamed.com/usb2air/>

KEY FEATURES

- 15' to 20' Range (Line of Sight)
- Universal USB 2.0 Compatibility
- WiMedia PHY v1.1
- Low Latency (<2ms)
- Compact Form Factor
- Simple Setup
- Low Power Consumption
- Windows 7/8/8.1/10 (See chart)



WHAT'S IN THE BOX

- 1) Device Transceiver Module
- 1) Host Transceiver Module
- 1) USB-FF Power Adapter
- 1) 5V Power Supply
- User Manual

	Imaging Devices	Audio Devices	Peripherals/HID devices
Windows 7	✓	✓	✓
Windows 8.1	✓	✓	✓
Windows 10	X	✓*	✓

*May require adjustment of the Audio Device Properties for "Default Format" for proper operation



Suggested Applications – USB 2.0 Connectable:

- Barcode Scanner
- Camera
 - Webcam
 - PTZ Camera
 - Scope Camera
- HDD/SSD (or enclosure)
- Keyboard
- Memory Stick (flash drive)
- Microscope
- Microphone
- Mouse
- Network Interface
- Printer
- Scanner
- Sensor
- Speaker
- TV Tuner
- Video Adapter
- VR Gesture Control
- VR Headset
- And More...

General Specifications

Standards	WiMedia PHY v1.1 and USB 2.0
Practical Bandwidth	30 Mbps per link
Max USB Devices/Link	4 (via USB 2.0 Mini Hub)
Max No. of Links/Area	8
Supp. WiMedia Band Grps	1, 3, 6 (3.1 – 9 GHz)
Cert. Band Grp & Freq	Band 1,3168 – 4752 MHz
Operational Latency	1-2 milliseconds
Operating Systems	Windows 7 and above

Electrical Specifications

Electrical Index	5V nominal (4.5V-5.5V)
Transmit Power	Typically < 1.0W
Receive Power	Typically < 1.15W
Idle Power	Typically < 0.60W
Working Environment	Indoor

Warranty

Mfg. Warranty	1 Year Parts & Labor
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RF Specifications

Rx Sensitivity	Minimum (dBm)	Typical (dBm)
53.3 Mbps, PER <%8	-61	-78
106.7 Mbps, PER <%8	-68	-76
200 Mbps, PER <%8	-65	-72
320 Mbps, PER <%8	-63	-70
400 Mbps, PER <%8	-62	-68
480 Mbps, PER <%8	-60	-67
Transmitted Signal PSD	Max. -41.3 dBm/MHz	




Physical Specifications (Per module)

Module Dimensions (in.)	3.25L x 1.94W x 3.25H (w/antenna extended)
Module Dimensions (mm)	83L x 50W x 83H (w/antenna extended)
Module Weight	0.05 lbs. (0.02 Kg)
USB Pinout	Std USB2.0 (1:+5V, 2:Data-, 3:Data+,
Operating Temperature	32°F to 113°F (0°C to 45°C)









Product Line

	HC3X-BK-G2		HC3X-WH-G2	3X optical zoom, 36-74° HFOV, USB 2.0 video up to 1080p-30
	HC3XA-BK		HC3XA-WH	3X opt zoom w/Built-in Dual Mic Array, 36-74° HFOV, USB 2.0, 1080p-30
	HC10X-720-BK		HC10X-720-WH	10X optical zoom, 7-57° HFOV, USB 2.0 video up to 720p-30
	HC3XW-GY-G2		HC3XW-WH-G2	3X optical zoom, 23-90° HFOV, USB 3.0 video up to 1080p-30
	HC10X-GY-G3		HC10X-WH-G3	10X optical zoom, 8-61° HFOV, USB 3.0 video up to 1080p-30
	HC20X-GY-G2		HC20X-WH-G2	20X optical zoom, 5-58° HFOV, USB 3.0 video up to 1080p-30
	HC30X-GY-G2		HC30X-WH-G2	30X optical zoom, 4-63° HFOV, USB 3.0 video up to 1080p-30






Control Accessories

	HC-JOY-G2	RS232, RS485, RS422, 3D Joystick and Keyboard, VISCA, Pelco-P, Pelco-D
	DB9M-F-xx	Extension Cable, DB9M-F, Plenum, 4 lengths shown in ft. (xx=25, 50, 75, 100)
	VISCA-xx	Daisy Chain Cable, miniDIN8-MM, 4 lengths shown in ft. (xx=25, 50, 75, 100)

Mounting Accessories

	HCM-1-BK		HCM-1-WH	Small Wall Mount, mounts directly to wall or box with supplied hardware
	HCM-2-BK		HCM-2-WH	Large Wall Mount, mounts directly to wall or box with supplied hardware
	HCM-1C-WH			Small Open Ceiling Mount, mounts to 1"NPT pipe
	HCM-2C-WH			Large Open Base Ceiling Mount, mounts to 1"NPT pipe
	PT-CM-1-BK		PT-CM-1-WH	Surface Ceiling Mount, mounts directly to ceiling or box w/ suppl. hardware

Conference Audio

	HP-AIR-BK		HP-AIR-WH	Wireless Speakerphone with USB receiver
	HP-AIR-BA-BK			Wireless Speakerphone with USB receiver and external amplifier feed
	HC3XA-BK		HC3XA-WH	3X opt zoom w/Built-in Dual Mic Array, 36-74° HFOV, USB 2.0, 1080p-30

