

# hovercam

# ORBIT AIR

Wireless USB & HDMI Document Camera

## True Plug-n-Play Wireless Freedom



### Zero Network Settings. Zero Drivers. Instant Setup.

Automatic configuration from the factory for a plug-and-play, zero-effort setup experience.



### Plug-n-Play with Any App On Windows, Mac, Chrome, iOS, and Android - No Special Software Required

*Inviswire* emulates universal USB camera connection on the system level for ultimate compatibility (and it's wireless!)



### USB & HDMI Receiver Included

*Point-to-Multipoint* casting for multiple computers / displays



### Flawless 4K Video Clarity

at virtually lag-free speeds



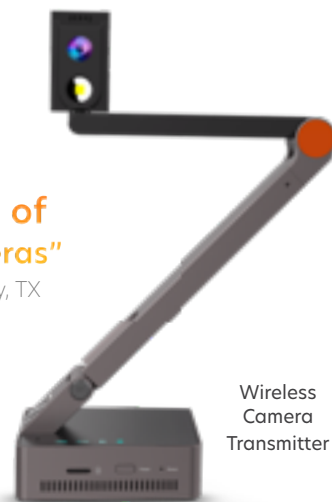
All-Day  
Battery Life



"The Unicorn of  
Document Cameras"

Director of Technology, TX

USB / HDMI  
Wireless Receiver



Wireless  
Camera  
Transmitter



USB / HDMI Receiver Included



13 Megapixel Sensor



4K @30FPS Wireless USB



Integrated Microphone



4K @30FPS Wireless HDMI



Onboard Snapshot & Recording Tools



Point-to-MultiPoint Casting



Award-Winning Software Included



8-10 Hour Battery Life



Natively Supports Zoom, Microsoft Teams,  
Google Meet and Other Camera Apps

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# hovercam® ORBIT AIR TECHNICAL SPECIFICATIONS

## CAMERA

Part Number	HCOA
Sensor	13 MP BSI CMOS
Lens	High Precision 5-element lens, f > 2.0
Image Resolution	4224 x 3156 (13 MP)
Image Format	JPEG
USB Video Format	YUV, MJPEG
USB Wireless Video Resolution	4K@30FPS, 1080p@60FPS, 720p@120FPS
HDMI Wireless Resolution	4K@30FPS, 1080p@60FPS, 720p@120FPS
Video Recording Format	MP4
Video Recording Resolution	1080p@60FPS, 1080p@30FPS, 720p@60FPS
Zoom	4x ASR Zoom 20x Interpolated Digital Zoom, 10x Mechanical Zoom
Microscope Image Mode	Supported, requires adapter
Focus	Auto-focus, Focus Lock, Manual Focus
Minimum Focal Distance	5 cm
Scan Size	A3, A4, 11 x 17, US Letter, Legal
Camera Viewing Area	13" x 21"
Illumination	4x Ultra-Bright LED with Toggle Switch

## CONTROL INTERFACE

Take Snapshot\*, Video Recording Start/Pause/Stop\*, Enable Auto-Focus, Lock Focus, Zoom In/Out, Freeze Image, Flip Image (180°), Sensor Rotate (90°), Illumination Off/Low/High \*Only functional when recording locally. Micro SD card required (not included)

## I/O Connections - Camera

1x HDMI	For direct connection to Interactive flat panel, projector, TV, or other HDMI device
DC-In	For charging battery
Micro SD Slot	For media storage (Micro SD card not included)
Microphone	Built-in

## I/O Connections - Wireless Receiver

1x HDMI	For wireless connection to projector, TV, or interactive flat panel display
1x USB-C	For wireless connection to PC, Mac, Chromebook, Android Interactive Panel, or for power supply from panel while in HDMI mode

## BATTERY

Battery	9800 mAh
Usage	Up to 10 hours, depending on use

## WIRELESS DISPLAY

Wi-Fi	802.11ax/ac/a/b/g/n WiFi Combo SiP Module (WiFi 6), 2T2R
Operating Frequencies	5GHz UNII Band (5.150GHz~5.850GHz) 2.4GHz ISM Band (2.400GHz~2.4835GHz)
Host Interface	WLAN: SDIO 3.0/2.0
HoverCam InvisiWire via DEEP Protocol	Dedicated Extension Emulation Proxy (DEEP) technology extends USB connection wirelessly via point-to-point / point-to-multipoint network. Emulated protocols include UVC, UAC, HID, HDMI, and USB Touch, enabling the host computer to see the connection as if it were wired, allowing for compatibility across all operating systems and applications.
HoverCam InvisiWire USB	Connect wireless dongle to computer via USB and emulate wired UVC video stream. No drivers required.
HoverCam InvisiWire HDMI	Connect wireless dongle to display via HDMI and emulate wired HDMI video stream
Point-to-Multipoint Support	Yes, additional Receiver(s) required. (configurable in factory or onsite)

## INCLUDED SOFTWARE (Recommended But Optional)

Flex 11 for PC Flex Mac Flex Android HoverCam for Chrome	Document camera viewer software with lesson recording, wireless streaming, live annotations, scanning, snapshots and more
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## COMPATIBILITY

Operating System (USB)	Windows 10 and up, Mac OS Monterey and up, iPad OS 17 and up, Android, Chromebook Linux
Applications	Any USB camera application such as Zoom, Microsoft Teams, Google Meet, generic camera apps, etc.

## HARDWARE

Camera Dimensions (LxWxH)	11 in. x 4 in. x 3.5 in. Folded, 11 in. x 4 in. x 16 in. Extended
Receiver Dimensions (LxWxH)	2.8 in. x 2.8 in. x 1.2 in.
Weight	Camera: 30.5 oz   1.9 lbs. Receiver: 8 oz   .5 lbs
Operating Temperature	-30° ~ 100°F (-25° ~ 72°C)
Certifications	FCC, CE, RoHS

## WHAT'S IN THE BOX

Orbit document camera, Receiver, Receiver IFP Mount, DC-Power Adapter, USB-C to USB-C cable, USB-C to USB-A cable, USB Type-C to Type-A cable, HDMI cable

## WARRANTY

5 year parts and labor warranty against manufacturers defects. Does not cover battery depreciation or wear from general use.

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ALL SPECIFICATIONS ARE PRELIMINARY SUBJECT TO CHANGE