

Gigabit Orbit
2.5 Gbps

WiFi
20 Mbps

hovercam® ORBIT

Gigabit Wireless USB Super Camera



Wireless Receiver
Connects Via USB Or HDMI

Wireless Camera
Paired To Wireless Receiver



4K @60FPS Over A Wireless Gigabit Link

Nearly lossless clarity and virtually lag-free casting up to 100 feet, at speeds 50x faster than the competition.



Absolutely Zero Wi-Fi Interference

Unique gigabit wireless frequency is 15x higher than Wi-Fi, meaning it won't slow down your school's Wi-Fi, and operates completely independently.



Zero Network Settings. Zero Drivers. Instant Setup.

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



Accessible By Any App On Windows, MacOS, ChromeOS, and Android - With No Special Software Required

InvisiWire is the only technology that emulates a wired USB connection. (Shhh - don't tell your computer it's actually wireless.)



USB / HDMI Dongle Included



4K @30FPS Wireless USB



4K @60FPS Wireless HDMI



Wired USB & HDMI



6-8 Hour Battery Life



13 Megapixel Sensor



Integrated Microphone



Onboard Snapshot & Recording Tools



Optional Award-Winning Software Included



Natively Supports Zoom, Microsoft Teams, Google Meet and Others

hovercam® ORBIT SPECIFICATIONS

CAMERA

Part Number	HCOP
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
USB Wired Video Resolution	4K@30FPS, 1080p@60FPS, 720p@120FPS
HDMI Wireless Resolution	4K@60FPS, 1080p@120FPS, 720p@120FPS
HDMI Wired Resolution	4K@60FPS, 1080p@120FPS, 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 projector, TV, interactive display, or other HDMI device
1x DC-In	For charging battery
External Storage	Micro SD slot (Micro SD card not included)
Microphone	Built-in

I/O Connections - Wireless Reciever

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 power when using HDMI mode

BATTERY

Battery	9800 mAh
Usage	6+ hours

WIRELESS DISPLAY

HoverCam Gigabit Link <i>Line-of-Sight Required*</i> <i>(Please Read Disclosure)</i>	2.5 Gbps mmWave gigabit P2P link. Receiving (Rx) dongle included. Tx and Rx are factory-paired, configuration-free, and plug-and-play.
HoverCam InvisiWire via DEEP Protocol	Dedicated Extension Emulation Proxy (DEEP) technology that extends USB connection from 4-6 feet to over 100 feet wirelessly via mmWave gigabit P2P link. 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 operations systems and applications.

HoverCam InvisiWire USB	Connect wireless dongle to computer via USB and emulate wired UVC video stream. No drivers required.
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HoverCam InvisiWire HDMI	Connect wireless dongle to display via HDMI and emulate wired HDMI video stream
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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	Windows 10 and above, Mac Monterey i5 +, Android, Google Chrome, Linux
Applications	Any USB camera application such as Zoom, Microsoft Teams, Google Meet, Promethean ActiveInspire, Smart Notebook, etc.

HARDWARE

Camera Dimensions (LxWxH)	11 in. x 4 in. x 3.5 in. Folded, 11 in. x 4 in. x 16 in. Extended
Reciever 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, wireless dongle, USB type-C charging adapter, USB type-C cable, HDMI cable, USB Type-C to Type-A cable

WARRANTY

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

*Important Disclosure (Please Read)

Orbit Pro uses mmWave (60GHz Radio Frequency) technology instead of Wi-Fi for wireless transmission. Users should understand that mmWave does not pass through objects, and requires a clear light of sight between the camera and receiver dongle. While mmWave offers significant advantages, it requires proper installation and awareness to maintain a clear line of sight. Temporary signal loss may occur if the line of sight is obstructed—this is normal and can often be minimized or eliminated with proper setup and optimization. We strongly recommend testing Orbit Pro in a real classroom environment with students and teachers present before making a final purchase. HoverCam's warranty covers material defects but does not cover brief signal loss due to line-of-sight issues, which can typically be resolved through technical assistance and adjustments in usage practices. Read the full disclosure at <https://www.hovercam.com/s/REV-250219-ORBIT-PRO-mmWave-Disclaimer.pdf>

sales@hovercam.com | 858.750.3499