



Wireless Cleanroom Imaging for Sterile Compounding Documentation

High-resolution image capture for IV workflow documentation — without cables crossing the hood.



Orbit MediCam is a wireless, battery-powered cleanroom document camera designed for sterile compounding environments where cable management, workstation flexibility, and secure placement matter.

With a 13 MP sensor, flexible articulated arm, built-in LED illumination, and included wireless USB + HDMI receiver, Orbit MediCam gives pharmacy teams clean, flexible image capture for IV workflow documentation, pharmacist verification, EHR upload, and quality review.

Wireless by Design. Cleanroom-Friendly by Nature.

Orbit MediCam eliminates the need for a camera cable to cross the primary engineering control or pharmacy workstation. Place the camera where the image is needed, connect the receiver to the workstation or display, and capture documentation directly through your EHR platform via the included MediCam Toolkit.

- ✓ Epic Dispense Prep Ready
- ✓ No Hospital Network Access Required
- ✓ Easily Sanitized
- ✓ MediCam Toolkit Included

Built for Pharmacy Documentation Workflows

Capture high-resolution images at critical verification points throughout the compounding process.

- ✓ Ingredients and components
- ✓ Vial and syringe labels
- ✓ Lot numbers and expiration details
- ✓ Dose preparation steps
- ✓ Syringe pulls and measurements
- ✓ Finished CSPs
- ✓ Internal review and quality documentation

AT A GLANCE

Sensor	13 MP
Resolution	4224 × 3156
Video	4K @ 30 fps
Battery	Up to 8–10 hours
Receiver	USB + HDMI
SKU	OAMC

Learn More

hovercam.com/orbit-medicam

Security-First InvisiWire Architecture

Orbit MediCam is engineered from the ground up for secure wireless deployment in HIPAA-controlled workplaces. Unlike network cameras or general-purpose casting devices, Orbit does not connect to the hospital network for camera-to-receiver operation.

HoverCam's **InvisiWire** architecture encapsulates the wireless networking logic inside a dedicated, closed camera-to-receiver link between the Orbit transmitter and its paired USB + HDMI receiver. The receiver then connects to the host workstation by a standard USB cable and presents Orbit as a trusted local USB UVC camera source.

This wired-wireless hybrid design creates a natural network boundary between Orbit's internal wireless link and your facility network.



Receiver + Battery-Powered Placement

The included receiver connects to a computer by USB for image capture or to a display by HDMI for live viewing. Orbit appears to the workstation like a local camera source while preserving the flexibility of wireless placement.

With up to 8–10 hours of battery life depending on use, Orbit MediCam can be positioned where the technician needs it without tying the camera to workstation during use.

- USB + HDMI receiver included
- Up to 8–10 hours of battery life
- Local USB UVC camera source
- No camera cable crossing the hood
- Flexible cleanroom positioning



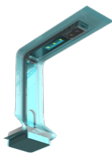
Clear Images + Cleaning Protocols

A 13 MP sensor captures detailed still images up to 4224 × 3156 resolution, with 4K wireless output, built-in LED illumination, autofocus, and zoom tools for small labels, syringe markings, vial information, and fine details.

Orbit MediCam is built to withstand daily exposure to common disinfectants used in pharmacy environments, including **Sani-Cloth® AF3**, **Super Sani-Cloth®**, **Peridox RTU**, **CaviCide™**, **Oxivir® TB**, **Oxivir® hydrogen peroxide wipes**, and other EPA-registered hospital germicidal detergents.

For additional protection, add the **MediGuard** medical-grade disposable imaging sleeve. EtO-sterilized and custom-engineered for Orbit MediCam, MediGuard delivers material-level barrier coverage with over 99.5% average bacterial spore retention (ASTM F1608-21) — breathable where it matters, protective where it counts.

Complete the MediCam Workflow with these Accessories



MediGuard Medical-Grade Disposable Imaging Sleeve

EtO-sterilized single-use barrier engineered for Orbit MediCam. >99.5% bacterial spore retention.



Magnetic Swivel Mount

Attach Orbit MediCam to hoods, carts, benches, or prep stations for secure, flexible cleanroom placement.



USB Foot Pedal Control

Capture images hands-free to reduce workflow interruption and support aseptic technique.

CATEGORY	SPECIFICATION
Product Name	Orbit MediCam
Part Number / SKU	OAMC
Product Type	Wireless, battery-powered cleanroom document camera for sterile compounding documentation
Recommended Use	IV workflow documentation, CSP image capture, visual verification, EHR upload, pharmacist review, quality documentation
Camera Sensor	13 MP BSI CMOS sensor
Image Resolution	Up to 4224 × 3156
Wireless USB Video Resolution	4K @ 30 fps, 1080p @ 60 fps, 720p @ 120 fps
Wireless HDMI Resolution	4K @ 30 fps, 1080p @ 60 fps, 720p @ 120 fps
Lens	High-precision 5-element lens
Focus	Autofocus, focus lock, manual focus
Minimum Focal Distance	5 cm
Zoom	4× ASR zoom, 20× interpolated digital zoom, 10× mechanical zoom
Illumination	4× ultra-bright LED with toggle switch
Camera Positioning	Articulated arm for overhead, angled, rotated, and folded positioning
Capture Area	Up to 13 in. × 21 in.
Supported Scan Sizes	A3, A4, 11 × 17, US Letter, Legal
Wireless Receiver	Included USB + HDMI receiver
Receiver USB Output	Connects to host workstation and presents Orbit as a local USB UVC camera source
Receiver HDMI Output	Connects to display, monitor, projector, or compatible HDMI device
Wireless Architecture	HoverCam InvisiWire via dedicated camera-to-receiver wireless link
Network Access	No hospital network access required for camera-to-receiver operation
Host Computer Connection	Receiver connects to host computer by standard USB cable
Host Protocol	USB UVC camera protocol
Cloud Requirement	No cloud video stream required for local image capture
Casting Protocols	Does not rely on Miracast, AirPlay, Chromecast, or browser casting
Facility Network Traffic	Camera traffic is contained within the dedicated Orbit camera-to-receiver link and is not routed through the facility network
Security Boundary	Wired-wireless hybrid architecture creates a natural network boundary between Orbit’s internal wireless link and the facility network
Battery	9800 mAh rechargeable battery
Battery Life	Up to 8–10 hours depending on use
Camera I/O	HDMI, DC-in for charging, MicroSD slot, built-in microphone
Driver	Includes MediCam Toolkit license
License	1 MediCam Toolkit license for 1 CPU per camera; transferable, non-duplicatable
EHR / Workflow Compatibility	Designed for Epic, Citrix environments, EHR systems, and compatible image upload workflows
Operating Systems	Windows 10 and above, macOS Monterey and above, iPadOS 17 and above, Android, ChromeOS, Linux
Cleaning Compatibility	Built to withstand daily exposure to common disinfectants, including Sani-Cloth® AF3, Super Sani-Cloth®, Peridox RTU, CaviCide™, Oxivir® TB, Oxivir® hydrogen peroxide wipes, and other EPA-registered hospital germicidal detergents
Camera Dimensions	11 in. × 4 in. × 3.5 in. folded; 11 in. × 4 in. × 16 in. extended
Receiver Dimensions	2.8 in. × 2.8 in. × 1.2 in.
Weight	Camera: approx. 1.9 lb; receiver: approx. 0.5 lb
Operating Temperature	-30°F to 100°F
Certifications	FCC, CE, RoHS
What’s in the Box	Orbit MediCam camera, wireless USB + HDMI receiver, receiver mount, power adapter, USB cables, HDMI cable
Optional Accessories	MediGuard medical-grade disposable imaging sleeve (EtO-sterilized, 10-pack), Magnetic Swivel Mount, USB Foot Pedal Control
Warranty	1-year limited hardware warranty plus 5-year MediCam Toolkit driver maintenance coverage

MediCam supports documentation and visual verification workflows but does not replace facility procedures, pharmacist review, aseptic technique, environmental controls, cleaning, disinfection, or regulatory compliance responsibilities. MediGuard supplements, but does not replace, required cleaning and disinfection procedures. Wireless performance depends on placement, receiver configuration, environmental conditions, and signal conditions. Product specifications subject to change.

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