

# ArthroFree<sup>®</sup>

The Surgical Camera for the Wireless Era



James Voos, MD, with Jacob Calcei, MD (R), and Taylor Hobson, MD (L), using ArthroFree at University Hospitals (Cleveland).

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“The wireless ArthroFree System allows for more ergonomic and efficient surgical movements, especially for more complex cases. You don’t have to constantly be moving cables around while you’re operating, **so you can focus on the task at hand—and not on the equipment.**”

**James Voos, MD**

Chair, Department of Orthopedic Surgery, University Hospitals, Cleveland  
President, NFL<sup>®</sup> Physicians Society; Head Team Physician, Cleveland Browns<sup>™</sup>

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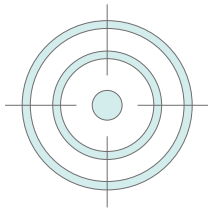
# Wireless Innovation for Surgical Freedom

In the minimally invasive OR, with your eyes on the monitor and your hand on the camera, you address pathology with unparalleled precision.

**Today you can have that same precision—free of the tethers of surgical cameras.** With ArthroFree<sup>®</sup>, you're free to move between ports without being tied to the surgical tower. As your camera hand guides your vision, complete your procedures with unparalleled focus and efficiency. Have a full day in the OR without the cables dragging down your hands with every move. **Experience the freedom of wireless.**

ArthroFree transforms surgical practice. It liberates your visualization of the surgical site from cables and cords. Meridiem<sup>®</sup> light ensures the surgical site is clear and crisp, ready for you to work with maximum dexterity. With its wireless connection to the surgical tower, **ArthroFree allows you uninterrupted focus on what truly matters—your patients.**

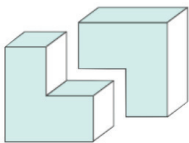
## New benchmarks for focus, simplicity, and value



### Focus

The ArthroFree System:

- Eliminates camera-cable management.
- Eliminates camera-cable-related interruptions.
- **Enables you to fix your eyes on the screen—and keep them there.**



### Simplicity

ArthroFree transforms OR workflow via:

- Simpler setups, procedures, and takedowns.
- Fewer components on the surgical tower.
- **Fewer components in the sterile field.**

Nine out of 10 surgeons recommend a decluttered sterile field.<sup>1</sup>



### Value

With the surgical camera of the wireless era, you have:

- **Average cost-per-case savings vs. leading wired cameras of 17%.<sup>2</sup>**
- The full range of your agility, for optimal patient care.
- **A contamination-free connection to the surgical tower—every time, guaranteed.**

# Cutting the Cord: ArthroFree Sets Surgeons Free

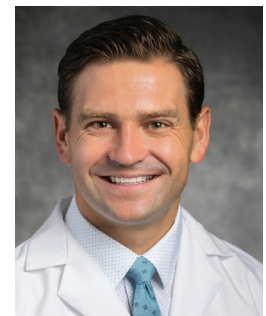


“Not having the cord and cable around makes for a safer and more efficient operating room. Our staff loves ArthroFree because it’s quicker to set up and take down. **I like it because it helps maintain the tempo and flow of the case.**”

**Chris Proctor, MD**

Sports Medicine Specialist, Alta Orthopaedics and De La Vina Surgicenter, Santa Barbara, CA  
US Ski Team Physician; Staff Physician, University of California, Santa Barbara

“The thing I love most about using ArthroFree is it feels really good in your hands. It’s a very simple, ergonomic design—plus you lose the drag of the cords. On longer cases, you can be holding the scope in one position for a long period of time. So, by getting rid of the pull of the cords, you’re definitely making it easier on your arms. **When you do a whole bunch of cases in a day, that little bit of relief in each case adds up.**”



**Jacob Calcei, MD**

Sports Medicine Orthopaedic Surgeon, University Hospitals (Cleveland)  
Team Physician, Cleveland Browns™



“ArthroFree is easy to use, it works well and has great visualization. It’s great to eliminate some of the cords required for this type of surgery. **This wireless camera makes it less likely to get multiple instruments tangled and disrupt your workflow.**”

**Michael S. Schwartz, MD, MBA**

Orthopaedic Surgeon, OrthoTexas and Baylor Scott & White Medical Center, Frisco  
Team Physician, Allen Americans (East Coast Hockey League)

## With ArthroFree, you get:

- **The elimination of light-source-related patient burns or drape fires—guaranteed.**
  - Peak recorded temperature of fiber-optic camera cable 350.0° C
  - Drape ignition flashpoint 121.1° C
  - ArthroFree’s Meridiem light source, max. temperature<sup>3</sup> 43.0° C
- Improved workflow.
- More freedom to move.

Minimize disruptions to your OR efficiency @ [lazorite.co/contact-us](https://lazorite.co/contact-us)

Welcome to the wireless era. Happening now, coast to coast.

# Technical Specifications

The ArthroFree OR Kit includes: Camera Heads (3), Receiver (1), Batteries (15), Battery Charger (1), and Sterilization Trays (3). All Class II components, except for the Battery Charger. (Images not to scale.)



## Camera Head

Imaging	1/2.7" CMOS HD
Sterilization	Vaporized hydrogen peroxide (VHP)
Dimensions (handle)	13.8 x 5.0 x 4.2 cm (6.4 cm at antenna)
Weight, with battery	438 g
Product #	AF0001-101



## Receiver

Imaging	1080p @ 30 fps HD video
Trigger ports	2x 3.5 mm mono (1/8") female
Video outputs	2x DVI
Dimensions (front)	16.4 x 11.3 x 4.2 cm
Weight	294 g
Product #	AF0002-101



## Battery

Output electrical ratings	3.6 V 2930 mAh, 10.55 Wh
Sterilization	VHP
Dimensions	11.2 x 3.8 x 2.4 cm
Weight	83 g
Product #	AF0003-101



## Battery Charger

Output electrical ratings	12 vdc, 1 A, 5 bay
Dimensions, with batteries	35.7 x 14.9 x 10.6 cm
Weight, without batteries	800 g
Product #	AF0004-101



## Sterilization Tray

Dimensions	32.6 x 18.4 x 6.8 cm
Weight	1400 g
Product #	AF0005-101

### Notes

1. The ArthroFree System typically replaces two box components on the surgical tower, fiber-optic cable, and power cable with a receiver and a battery. Lazurite Inc. Survey results from evaluations and installations, 2023–2024. Unpublished data.
2. Calculation includes average sales price for individual unit, with full-price service contract vs. equivalent of leading competitors. Lazurite Inc. Cost-per-case analysis. 2024. Unpublished data.
3. Joint Commission. Preventing light source-related burns from laparoscopy, thoracoscopy and arthroscopy. Quick Safety. 2023;69 (April). <http://tinyurl.com/quick-safety-69>. 3M. "Article Information Sheet. 3M™ Ioban™ 2 Antimicrobial Incise Drapes 6035, 6040, 6048, 6050, 6051, 6640EU, 6648EU, 6650EU, 6651EU." Document Group: 08-3227-9. Version: 1.00. October 13, 2021. <https://tinyurl.com/3Msafetydata>. Lazurite Inc. 21-046R. External Temperature Validation. 2021.

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Lazurite Inc.  
4760 Richmond Road, Suite 400  
Cleveland, OH 44128 USA  
1.833.214.2324  
[lazurite.co](http://lazurite.co)  
[contact@lazurite.co](mailto:contact@lazurite.co)

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