



# SURGICAL MONITOR



BRINGING  
**VISION**  
TO THE OPERATING ROOM

PRODUCT  
OVERVIEW



## **Fully-integrated system delivers optimal performance with ease-of-use**

NUVO introduces a product that sharpens and enhances your view for every type of endoscopic procedure. Our integrated system combines advanced technology with simplicity of use in a seamless, easy-to-use package with integrated light and monitoring systems that combine the NUVO Surgical Light with the NUVO Surgical Monitoring System.

The latest flat-screen LCD technology centrally-mounted at the same axis as the light offers total freedom of movement around the patient. The high-resolution, glare-resistant display makes this LCD the perfect complement to any endoscopic camera system. It can be used to display images from multiple sources such as video cameras, radiology/C-arm and more.



## **NUVO's Monitoring System Brings Comfort to the OR Team**

Unrestricted monitor positioning helps eliminate a surgeon's neck and back strain while performing a procedure. The use of a second monitor mounted from the same hub affords the same comfort to the assisting physician.

Plus, custom-designed slip rings enable users to continually rotate the monitor around the vertical axis. The counter balance arm allows users to position the monitor at the optimal height and distance for each surgeon. Plus, the sterile handle on the side of the monitor is readily accessible for minor positioning adjustments during a case. For added convenience, pressing the button located on the end of the sterilizable handle provides the surgeon with access to as many as four different images on each monitor.

# NUVO SURGICAL MONITORING SYSTEM

## INTRODUCING OPTIMUM VIEWING ...

**The NUVO Surgical Monitoring System combines innovative features and built-in flexibility to promote convenience and comfort in the OR. This system offers:**

- Vertical adjustment
- Continuous rotation (no physical stops) on every joint
- Flat-screen LCD technology on a centrally-mounted arm
- High-resolution, glare-resistant LCD display
- Image displays from multiple sources such as video cameras, radiology/C-arm, etc.
- Comfortable monitor viewing angles for surgeons – eliminating back and neck pain
- Sterile handle mounted on the right side of the monitor allows easy positioning while a button on the end of the handle scrolls through the available images on the monitor
- Wall-mounted adjustments for added control
- Eliminates the hazards that unstable carts and tangled cords can cause



### Single- or dual-monitor mounts

Dual monitor hubs enable users to mount two monitors from the light mount, in addition to a single or dual light. Position the monitor(s) anywhere around the patient – either separately or together. Select 15- or 19-inch monitors.



### Compact and easily stored

Monitors easily stow out of the way with fold-away convenience providing plenty of headroom for the surgical team to clean-up.



### Less clutter and easier to clean

NUVO delivers maximum flexibility in far less space than competitive models with a sleek design that neatly conceals a critical network of wires and connectors – protecting them from damage. This smooth design also facilitates faster, easier cleaning following cases.



### Sterile Positioning Handle

Position the monitor easily from within the sterile field, as well as access to the control button to select images viewable on the monitor.



## **Designed specifically for the OR environment**

Unlike many suppliers of LCD monitors who fashion existing off-the-shelf displays into medical equipment, we designed this flat-panel from the ground up for extreme durability and safety. Membrane style buttons and a non dimpled, sealed casing ensures particles (orthopedics) or other foreign matter won't accumulate into voids or openings and possibly spread contaminants. The completely sealed case also protects the internal components from any exposure to liquids that can sometimes be prevalent in the OR facility. The unit is also designed to run without fans of any sort (internal or external) that could possibly make contaminants airborne and spread bacteria. The 24Vdc power supply makes an excellent solution for the NUVO pendant or arm mounts that are constantly being repositioned. The low voltage input, puts to rest any concern with running mains power through a metal arm.





**The NUVO Monitoring System  
has taken performance to a  
whole new level ...**

Special consideration has been given to the design of the electronic circuitry to protect the signal and display against unwanted interference, especially when using electro surgery equipment, ensuring the highest quality image at all times.

# MULTI-CHANNEL SWITCHING SYSTEM

## Multiple images available at your finger tips support real-time decisions.

The NUVO Monitoring System is supported by a multi-channel switching system that combines images from various surgical sources that can be viewed during surgical procedures.

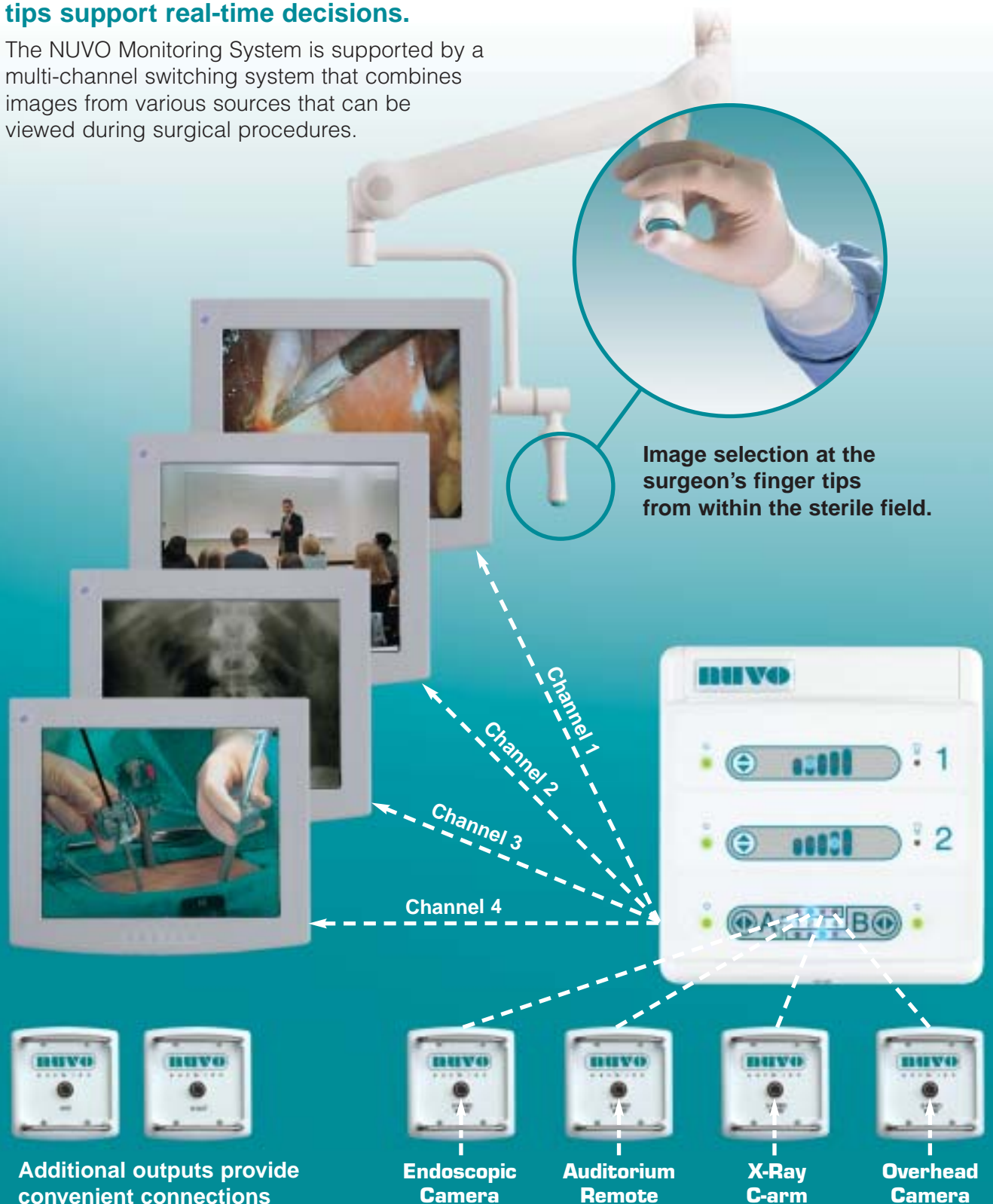


Image selection at the surgeon's finger tips from within the sterile field.

Endoscopic Camera

Auditorium Remote Camera

X-Ray C-arm

Overhead Camera

*Other image sources can be accommodated, e.g. radiology/PACS.*

Video images are fed through four inputs conveniently located in the OR.

Additional outputs provide convenient connections for additional monitors mounted on pendants or at the circulator's station.

# INTRODUCING NUVO SURGICAL SUITE ...

Our new system combines advanced surgical suite technology by integrating the NUVO light and NUVO monitoring system in a seamless, easy-to-use package.

With the NUVO Surgical Light and NUVO Surgical Monitoring System, we deliver a product that sharpens and enhances your view for every type of endoscopic procedure. Each system component features best-in-class technology for superb illumination and detail with:



- the latest flat-screen LCD technology on a centrally-mounted arm on the same axis as the light – providing total freedom of movement around the patient
- high-resolution, glare-resistant LCD display
- image displays from multiple sources such as video cameras, radiology/C-arm and more

## The NUVO Surgical Light

The NUVO light's compact head is extremely easy to position. Controls for all functions are conveniently placed within the sterile field. A highly-advanced cooling system delivers color-correct, ultra-cool light. All of this, combined with excellent shadow reduction, makes NUVO's Surgical Light the light of choice for today's surgical suites.



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M2Z00162

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