

YOU'VE NEVER SEEN  
YOUR PROCEDURES QUITE LIKE THIS.

EXPERIENCE THE **NGENUITY**<sup>®</sup>  
3D VISUALIZATION SYSTEM.



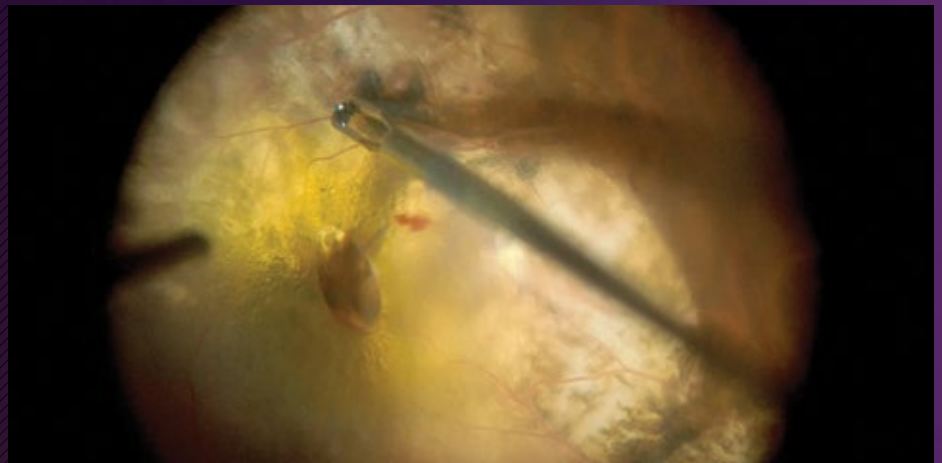
Featuring next-generation visualization technologies and an intelligent ocular-free design, the **NGENUITY**<sup>®</sup> 3D Visualization System establishes a powerful platform for Digitally Assisted Vitreoretinal Surgery (DAVS).

# YOU'VE NEVER VISUALIZED YOUR PATHOLOGIES QUITE LIKE THIS.

The **NGENUITY**® 3D Visualization System complements the Constellation® Vision System by leveraging some of today's most advanced technologies to create an immersive visualization experience. In doing so, this system works to equip you with **the precision, depth, and detail you need to achieve your surgical goals.**

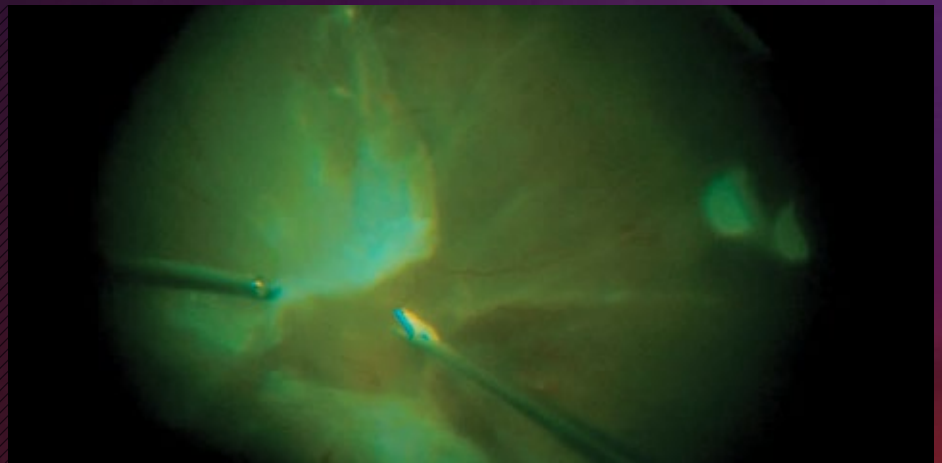
## YOUR VIEW, PRECISELY CALIBRATED.

Each **NGENUITY**® 3D Visualization System is driven by a powerful 3D High Dynamic Range camera. With this high dynamic range, you gain access to excellent resolution and image clarity, the ability to increase magnification while maintaining a wide field of view, and **a visualization experience you can customize to fit your needs.**



## YOUR VIEW, COMPLETELY CUSTOMIZED.

The **NGENUITY**® 3D Visualization System delivers next-generation visualization through digital filtration. Through the use of these filters, you can customize your view during each procedure, **which can highlight ocular structures and tissue layers.**



## YOUR VIEW, EFFECTIVELY ILLUMINATED.

Engineered with a specific focus on minimizing light exposure, the **NGENUITY**® 3D Visualization System facilitates operating using lower light levels<sup>1</sup>. This exceptional level of light control delivers comparable visualization to the current standard of care, equipping you with **a level of visualization that fosters a positive surgical experience.**



# YOU'VE NEVER HAD A SURGICAL EXPERIENCE QUITE LIKE THIS.

Beyond delivering truly stunning visualization, the **NGENUITY**<sup>®</sup> 3D Visualization System offers a dynamic experience within the OR itself. This system is specifically designed to **facilitate collaboration and teaching by displaying the procedure through a digitally enhanced view.**



The **NGENUITY**<sup>®</sup> 3D Visualization System is designed to be compatible with all major microscope platforms.

## YOUR PROCEDURE, COMFORTABLY DESIGNED.

The revolutionary ocular-free design of the **NGENUITY**<sup>®</sup> 3D Visualization System is engineered to improve posture and may reduce fatigue<sup>1</sup>. With this system design, you can experience **surgery that's unbound by the limitations of many current technologies.**

## YOUR PROCEDURE, BRILLIANTLY DISPLAYED.

Powered by a 3D High Dynamic Range camera and a 3D 4K OLED monitor, the **NGENUITY**<sup>®</sup> 3D Visualization System creates a singular OR experience by **redefining how you capture and display surgical information.**

## YOUR PROCEDURE, FULLY AMPLIFIED.

Offering an expansive panoramic surgical view, the **NGENUITY**<sup>®</sup> 3D Visualization System ensures everyone in the OR sees exactly what you see. So whether your aim is to educate, train, or collaborate, this system provides **an unparalleled view of real-time surgical information.**

1. Eckardt, C., Paulo, E.B. HEADS-UP SURGERY FOR VITREORETINAL PROCEDURES: An Experimental and Clinical Study. *Retina*. 2016 Jan;36(1):137-47.

# NOGENUITY<sup>®</sup>

DIGITALLY ASSISTED VITREORETINAL SURGERY

See The Future, Right Now.

## IMPORTANT PRODUCT INFORMATION

**CAUTION:** Federal (USA) law restricts this device to sale by, or on the order of, a physician.

**INDICATION:** The **NOGENUITY<sup>®</sup>** 3D Visualization System consists of a 3D stereoscopic, high-definition digital video camera and workstation to provide magnified stereoscopic images of objects during micro-surgery. It acts as an adjunct to the surgical microscope during surgery displaying real-time images or images from recordings.

**WARNINGS:** The system is not suitable for use in the presence of flammable anesthetics mixture with air or oxygen. There are no known contraindications for use of this device.

**PRECAUTIONS:** Do not touch any system component and the patient at the same time during a procedure to prevent electric shock. When operating in 3D, to ensure optimal image quality, use only approved passive-polarized glasses. Use of polarized prescription glasses will cause the 3D effect to be distorted. In case of emergency, keep the microscope oculars and mounting accessories in the cart top drawer. If there are any concerns regarding the continued safe use of the **NOGENUITY<sup>®</sup>** 3D Visualization System, consider returning to using the microscope oculars.

**ATTENTION:** Refer to the User Manual for a complete list of appropriate uses, warnings and precautions.