

THIS IS INTEGRATION

This is

NOENUITY[®]
DIGITALLY ASSISTED VITREORETINAL SURGERY

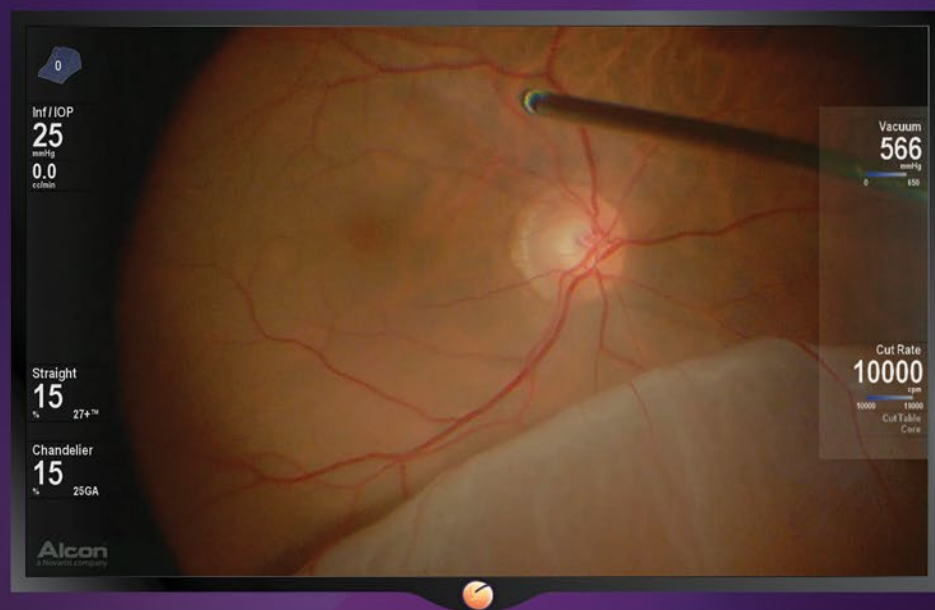
with

DATA FUSION

High Magnification Performance¹

Extended Depth of Field¹

Integration With the
CONSTELLATION[®] Vision System



SEE IT BETTER. DO IT BETTER.

THIS IS DIGITAL

See What You Need to See

With an extended depth of field, the NGENUITY[®] 3D Visualization System delivers the immersive surgical experience you demand in your procedures.

NGENUITY[®] CAN PROVIDE*

UP TO **48%** greater magnification^{1,†}

UP TO **5X** better depth of field^{1,‡}

UP TO **42%** finer depth resolution^{1,§}

*Compared to analog microscopes

†26% to 48% greater magnification at a viewing distance of 1.2 m

‡At camera aperture of 30%

§11% to 42% finer depth resolution at maximal system-specific total magnification

Procedures, Integrated

DATA FUSION establishes a connection between NGENUITY[®] and the CONSTELLATION[®] Vision System.

- **Real-time feedback** for the surgeon via the surgical parameter display from the CONSTELLATION[®] HD Video Overlay (HDVO)
- **NGENUITY[®] Image Modes**, simplifying digital visualization customization
- **Simplified GUI and procedure flow**, including an improved white balance process

Together with CONSTELLATION[®], NGENUITY[®] connects you to a comprehensive surgical platform designed for each surgical possibility. It's a platform built for more—and for you.



SEE IT BETTER. DO IT BETTER.

LEARN MORE AT SURGICALRETINA.COM

IMPORTANT PRODUCT INFORMATION

Caution: Federal (USA) law restricts this device to sale by, or on the order of, a physician. **Indication:** The NGENUITY[®] 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 NGENUITY[®] 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.

The CONSTELLATION[®] Vision System can be connected to the NGENUITY[®] 3D Digital Visualization System. Please refer to the CONSTELLATION[®] Vision System user manual for complete instructions, warnings and precautions.

Reference: 1. Alcon data on file. Alcon Laboratories, Inc; December 2017.