

# TRANSFORM YOUR EXPERIENCE

GO BEYOND YOUR ANALOG MICROSCOPE WITH  
NGENUITY<sup>®</sup> 3D VISUALIZATION SYSTEM<sup>1</sup>

**NGENUITY<sup>®</sup> 3D Visualization System**

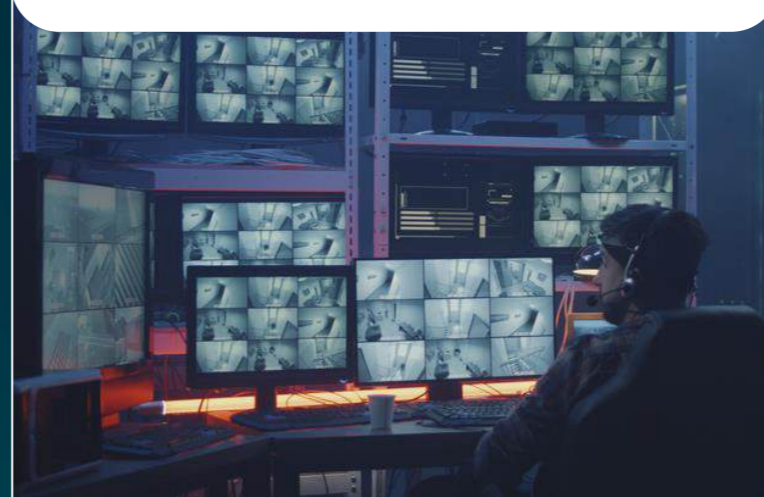
# Analog microscopes have multiple limitations:

**Refocus**



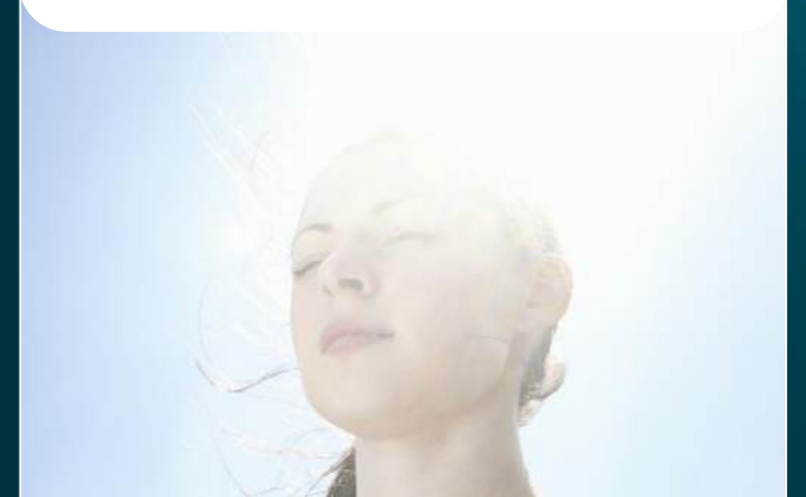
**Lack of Precision<sup>2\*</sup>**

**Viewing on multiple screens**



**Lack of Efficiency<sup>3,4</sup>**

**Light exposure**



**Patient Risk<sup>5-7</sup>**

**What is the ultimate solution that can solve all of these limits?**

\* Study recording 12 consecutive routine cataract operations where patient head drift and subsequent microscope repositioning were reviewed. In total, 11 of 12 recorded surgical cases had to have manual repositioning of the patient head or microscope to compensate for head drift in order to re-gain optimal surgical view.

REFOCUS

VIEWING ON MULTIPLE SCREENS

LIGHT EXPOSURE

ALL LIMITS

# Go beyond the limits of an analog microscope with NGENUITY<sup>®</sup>

Perform surgeries with **precision, efficiency** and **reduced risk** for your patients

## Precision<sup>1,8</sup>

See deeper range of details in high definition & sharp focus

## Efficiency<sup>1,3,4</sup>

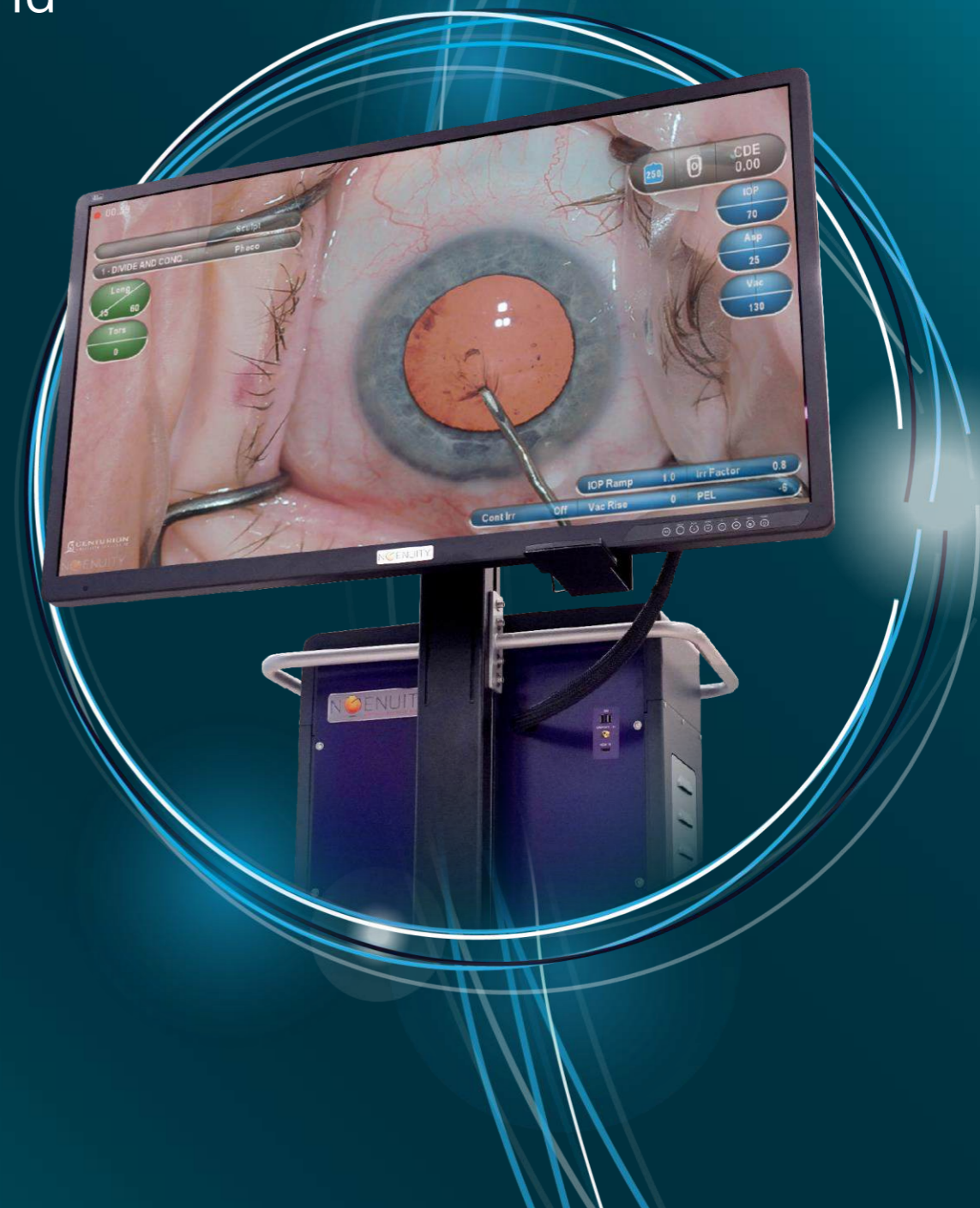
Achieve more customized control with integration - DATAFUSION™

## Reducing Patient Risk<sup>7,9</sup>

Reduce the risk of phototoxicity

## Collective Learning<sup>10</sup>

Accelerate knowledge transfer through a shared 3D view





NGENUITY<sup>®</sup>'s  
**Precision**  
removes the need to  
Refocus



**NGENUITY<sup>®</sup>**  
**provides high quality precision**  
**from start to finish<sup>1,8,\*</sup>**

- 5X Extended Depth of Focus
- 48% Increased Magnification
- 42% Increased Depth Resolution
- Customized Digital Image

\*Compared to Analog Microscopes

DEPTH OF FOCUS

MAGNIFICATION

RESOLUTION

IMAGE CUSTOMIZATION

VIEW WITH EXPANDED CLARITY<sup>8,\*†</sup>

5X

Extended  
Depth of Focus

- Crisp focus
- Expanded surgical space
- Deeper range of details

\*Compared to analog microscopes including the Leica Proveo 8 and Zeiss OPMI LUMERA® 700 scopes.

† Specified performance was achieved at maximum system magnification with an aperture setting of 30% open and viewing distance of 1.2 meters.

DEPTH OF FOCUS

MAGNIFICATION

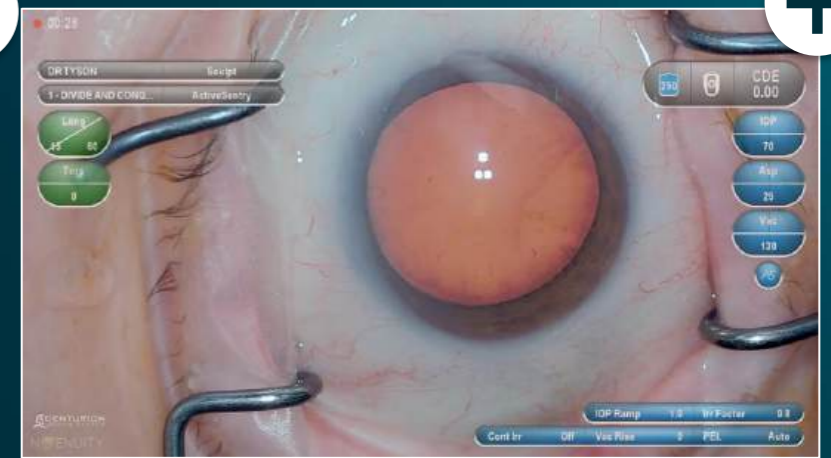
RESOLUTION

IMAGE CUSTOMIZATION

IMMERSE IN A MAGNIFIED VIEW<sup>8,\*†</sup>

Up to

48%

Increased  
Magnification

- **Expansive view**
- **Ideal for complex surgeries**

*\*Compared to analog microscopes including the Leica Proveo 8 and Zeiss OPMI LUMERA® 700 scopes.*

*† Specified performance was achieved at maximum system magnification with an aperture setting of 30% open and viewing distance of 1.2 meters.*

DEPTH OF FOCUS

MAGNIFICATION

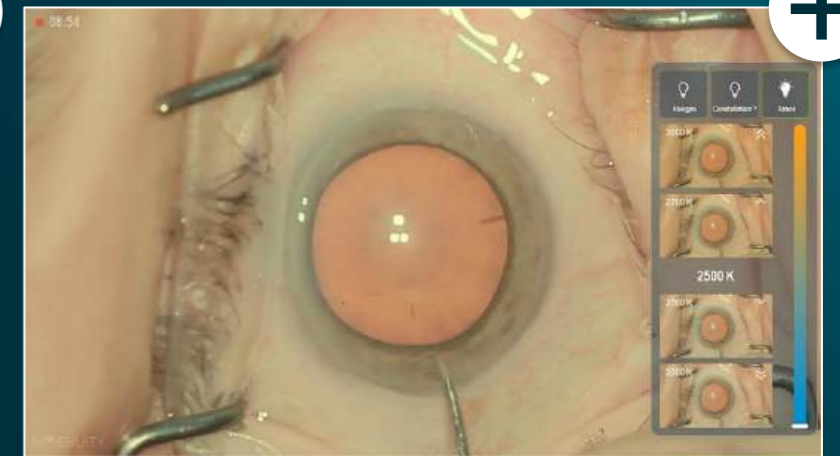
RESOLUTION

IMAGE CUSTOMIZATION

# HIGH RESOLUTION & FINE DETAILS<sup>8,\*†</sup>

Up to  
**42%**

Increased  
Depth Resolution



- **Distinguish every detail**  
Distinguish between various layers of the anterior anatomy for refined tissue manipulation

*\*Compared to analog microscopes including the Leica Proveo 8 and Zeiss OPMI LUMERA® 700 scopes.*

*† Specified performance was achieved at maximum system magnification with an aperture setting of 30% open and viewing distance of 1.2 meters.*

DEPTH OF FOCUS

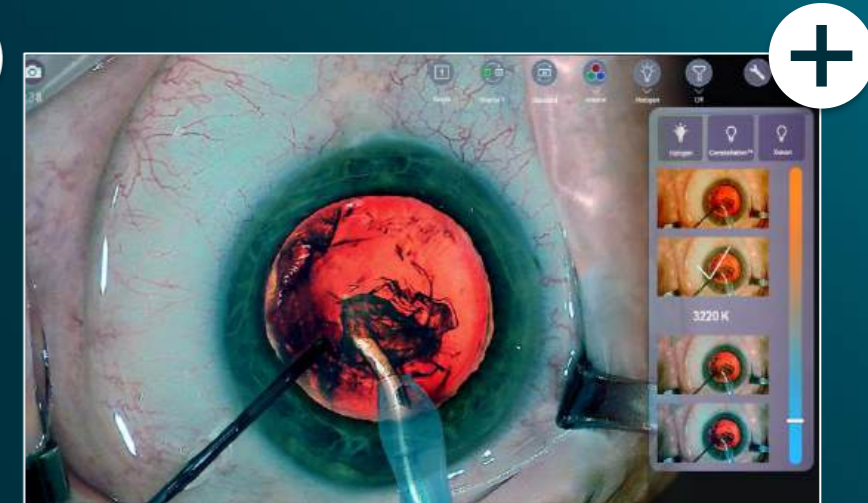
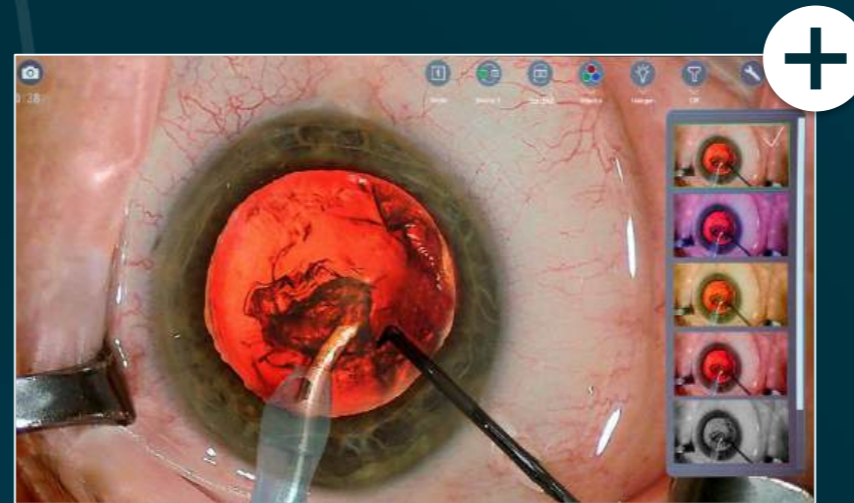
MAGNIFICATION

RESOLUTION

IMAGE CUSTOMIZATION

# DISCOVER THE HIDDEN DETAILS<sup>1</sup>

## Customized Digital Image



- **Personalized Color Filters**  
Easy to use thumbnails to uncover hidden details

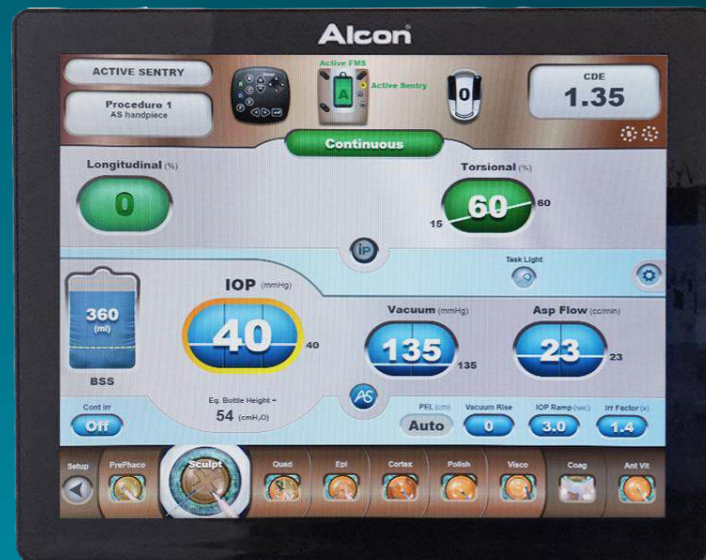


- **Light Temperature Filters**  
Instant color change to view another aspect of your surgery



# Delivering real-time view of surgical parameters during critical surgical steps\*

## Centurion<sup>®</sup> DATAFUSION<sup>™</sup>



\*Centurion Vision System operator's manual

# NGENUITY<sup>®</sup> accelerates knowledge transfer through a shared 3D view<sup>10</sup>

NGENUITY<sup>®</sup>'s **Collective Learning** unlocks your limited teaching capabilities



- **Collective learning experience**

A heads-up surgery with a shared view to accelerate knowledge transfer



- **Impressive 3D recordings**

Share spectacular surgical cases at congresses to give the audience a true demonstration of surgeon experience