

The next generation of  
pediatric ocular imaging

## Illuminate the possibilities

The success of RetCam represented a huge leap in pediatric ocular imaging and set a new standard in the field. Now, Natus builds on that legacy of innovation and breaks new ground with RetCam Envision™, creating exciting new developments in image quality, connectivity and workflow efficiency. RetCam Envision represents our commitment to innovation that continually raises the bar and pushes us to develop new and better solutions for patients and the healthcare professionals that serve them.

### Brilliant imaging

#### Lighting the way with confidence

Enhanced illumination with an ultra-wide field of view makes RetCam Envision the leader in image quality. With patent pending Light Shaping Technology users experience a greater visualization with brilliant color images. These unique features result in images that provide a higher level of confidence for patient evaluations and consultations. Brilliant color images can be viewed in full-screen mode for maximum visualization of detail, enabling earlier detection of eye diseases and timely intervention.

### Seamless connectivity

#### Collect, protect, and transfer data with ease

RetCam Envision provides seamless PACS integration and enhanced network capabilities. It's easier than ever to connect with worklists to exchange and synchronize data. Images can be securely and centrally stored within PACS, significantly improving efficiency by reducing patient intake time with manual data transfer and image archiving.

### Optimal efficiency

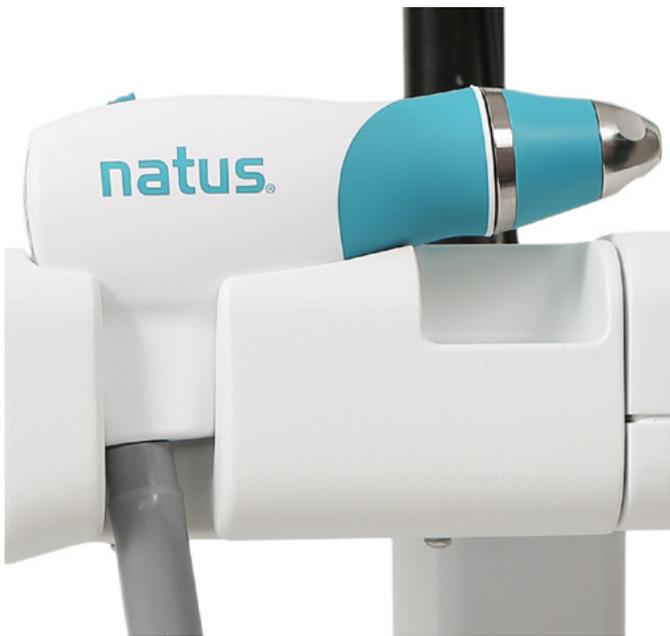
#### Flexibility to focus on the patient

RetCam Envision is a perfect example of advanced technology meeting practical application. It's easy-to-use and integrates into any NICU environment, giving NICU staff more control over the screening process. They have the autonomy to quickly access patient information and schedule exams based on the patient's status.



### RetCam Envision features and benefits

- A.** Intuitive 21.5" touchscreen provides ease-of-use and improved workflow
- B.** New handpiece includes FA barrier filter for quick engagement for FA
- C.** Height-adjustable cart ensures proper positioning and comfort for the operator
- D.** Optional DICOM workflow for seamless integration



## Convenient cleaning with removable lenses

Easily remove the detachable 130° and portrait lenses for cleaning and disinfection.

- Minimize downtime by disinfecting a lens while another is in-use
- Increase your confidence knowing that lenses can be disinfected with validated protocols



Detachable 130° lens



Detachable portrait lens

## Leading the field in innovation

RetCam Envision's advanced innovative Light Shaping Technology provides uniform illumination, enhancing detail in captured images.

- Light Shaping Technology uses multiple light fibers to direct light uniformly
- Greater illumination and focus across the entire 130° field of view
- Enhanced visualization of darkly pigmented retinas
- Improved peripheral detail

Natus' RetCam patented Light Shaping Technology:

- LED light enters the 130° lens piece, while 16 individual light fibers end as a circular array at the lens piece front, behind a glass window with skewed pointing angles
- A circular array of illumination beams enter the eye through a small (6mm) pupil and expand uniformly, covering the entire retinal field of view



RetCam3 "Bell Shape" Light Distribution vs RetCam Envision "Top Hat Shape" Light Distribution

## Light Shaping Technology provides unsurpassed uniform illumination and focus for the best clinical imaging outcomes





## Fluorescein angiography helps deliver essential information you need

RetCam Envision's fluorescein angiography (FA) option is a diagnostic aid to examine the circulation of the retinal blood vessels and assist with the detection of anatomical abnormalities. It provides users with the ability to visualize the absence or presence of blood flow within the eye.

### Benefits of FA

- Helps to examine the perfusion of the retinal blood vessels
- Provides sharp visualization of leaking vessel defects and neovascularization in ROP
- Documents and supports the diagnosis of many pediatric ophthalmic diseases and conditions

## Capturing the eyes of the world

### Improving patient care starts here

The **Vision Care Academy (VCA)** provides access to educational programs and resources designed to enrich product expertise and clinical knowledge. This includes resources such as the **Neonatal and Pediatric Eye Imaging Toolkit**, and continued growth through a network of industry experts in the field.



Join the Vision Care Academy for clinical resources, learning opportunities and more!  
[vision-care.academy](http://vision-care.academy)

Joining is **FREE** plus members gain exclusive access to the **Neonatal and Pediatric Eye Imaging Toolkit** and these resources:

- Newsletters
- eSeminars
- Educational Videos
- "Ask the Expert" Forum
- Application—Tips & Tricks
- Social Networking

"What I liked best about the RetCam workshop was the incredible variety of strategies that are modeled, the community that developed with all members, and the incredible learning process of working through various clinical cases. It was an amazing learning experience."

**Marius Müller**  
Clinical Specialist

Learn more and request a demo at  
[natus.com/envision](http://natus.com/envision)

\*NOTE: Not available in all countries. Please contact your local sales representative for availability.

## Making sense of the body's signals

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