



THE NEW WAY TO SEE THE WORLD

THE **ULTRA HIGH DEFINITION** PROGRESSIVE
LENS FOR CUSTOMISED COMFORT

POWERED WITH THE
UNIQUE DIGI-CONTOUR TECHNOLOGY



NOVA UHD uses the latest state of the art customized progressive lens design enhanced with Thickness Optimization Technology, Anti Swim Technology, Responsive Vision Design & Clear View Design, providing excellent aesthetics & effortless feel of natural vision.

THICKNESS OPTIMIZATION TECHNOLOGY



NOVA UHD LENSES are powered with the latest state of the art **Thickness Optimization Technology** which reduces the center & edge thickness of the lens considerably providing excellent aesthetics & making the lenses feel feather light.

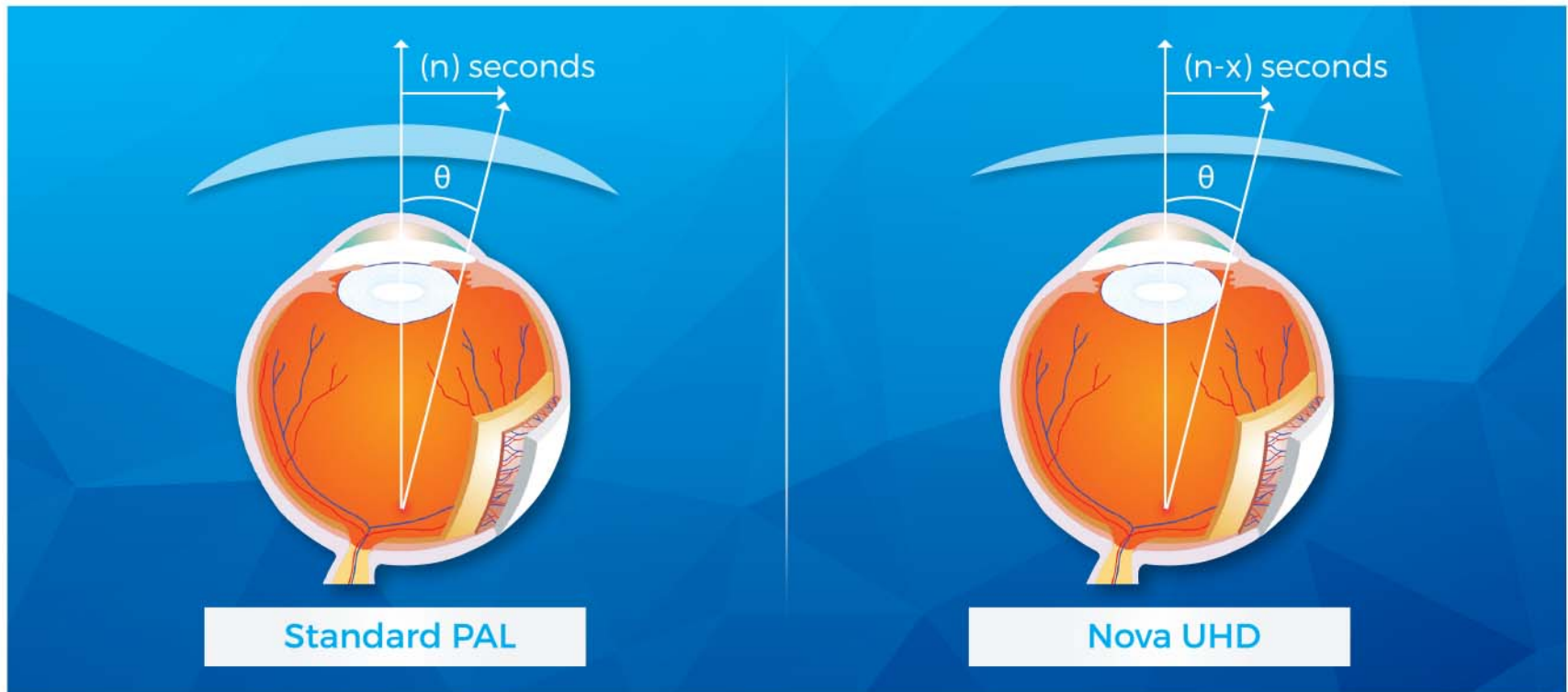
The reduction of lens thickness minimizes extra absorption of light in the lens material & enhances transmission of light which **adds to the sharpness & enhancement of visual clarity with extra contrast.**



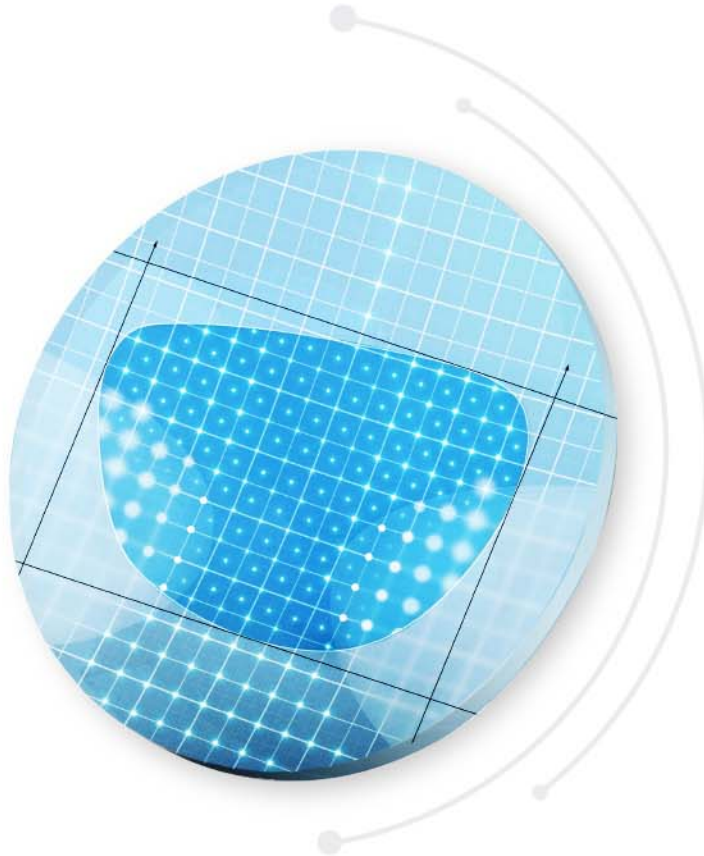
ANTI SWIM TECHNOLOGY



Thanks to the **ANTI SWIM TECHNOLOGY**, NOVA UHD effectively “reduces a portion of the unwanted swim effect” that annoys the wearer while scanning from one area of the lens to other by reducing the scanning time for the same angle of rotation of the eye by high order mathematical calculations.



CLEAR VIEW DESIGN



A breakthrough innovation in PAL design optimization, **Clear View Design** takes into account **the frame shape, individual lens data** (H Box, V Box, DBL, P Tilt, Z Tilt, BVD), **Lens data** (Distance Rx, Fitting Height, Mono PD, Near Inset, Presbyopic Addition) & **the habitual visual behaviour of the wearer** (eye movement, head movement, near working distance etc.) & selectively pushes the lateral aberrations out of the frame shape, enabling the wearer to enjoy greatly reduced distortion & panoramic vision for distance & extra wide field of vision for intermediate & near.

RESPONSIVE VISION DESIGN



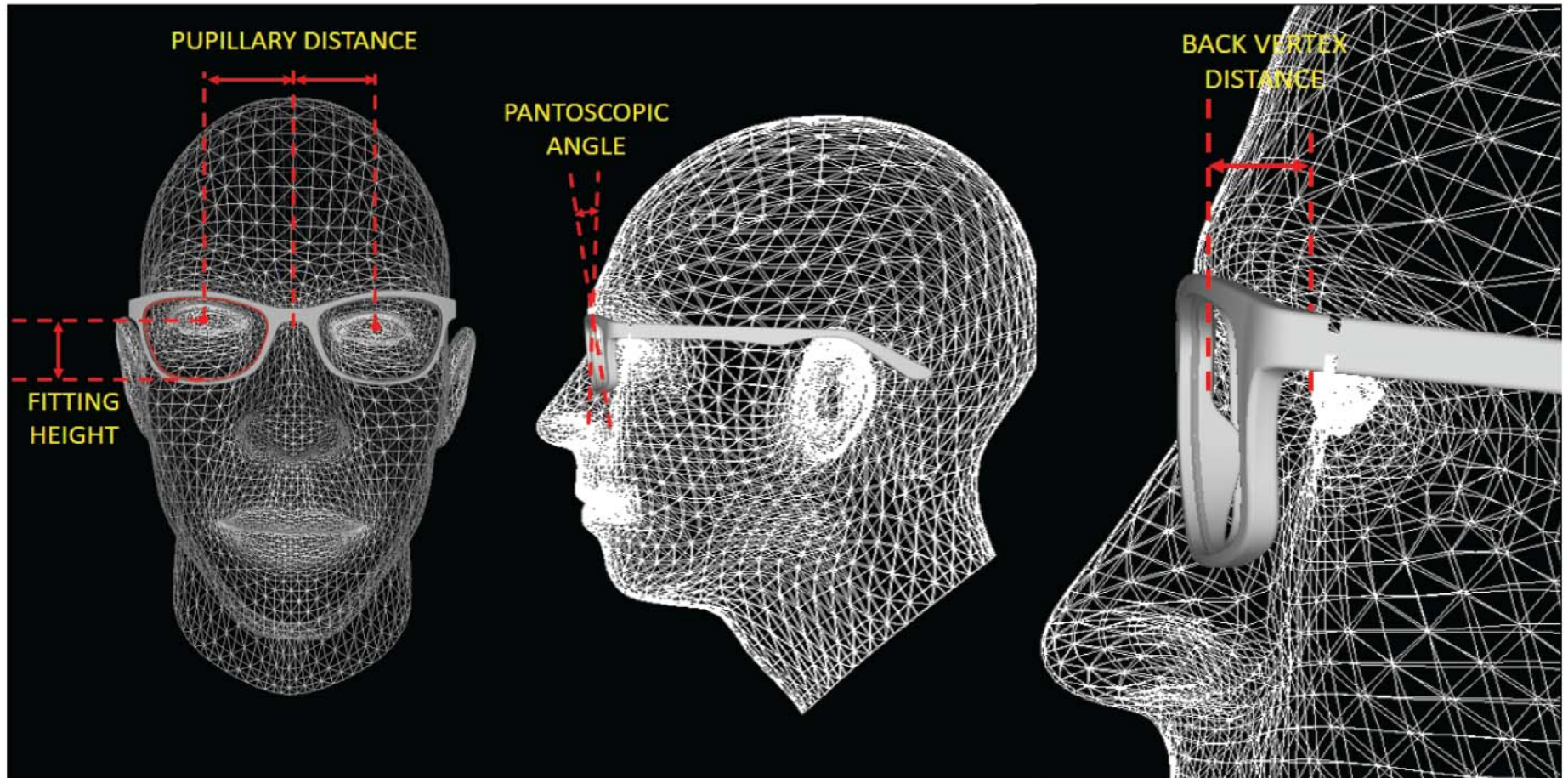
NOVA UHD LENSES are designed individually for every wearer using **Responsive Vision Design**. The wearer's are asked specific questions about their lifestyle & visual requirements & based on their response the perfect PAL design is generated to provide them with Ultra High Definition quality vision at all directions of gaze.



Common questions targeted at understanding the wearer's lifestyle include:

- ▶ Would you mind telling us a little about your profession?
- ▶ How long do you engage yourself with your digital gadgets in any random day?
- ▶ Do you read a lot?
- ▶ What are your favorite recreational activities?
- ▶ Do you drive a lot?
Etc.

REQUISITE DATA FOR NOVA UHD CUSTOMISATION



BINOCULAR BALANCING OF VISUAL FIELDS



BINOCULAR BALANCING OF NOVA UHD LENSES PROVIDE CLEARER PERIPHERAL VISION & SHARPER FOCUS WHICH ALLOWS THE USER TO EXPERIENCE MINUTE DETAILS IN ULTRA HIGH DEFINITION.



Vision through PAL without Binocular Balancing of Visual Fields



Vision through NOVA UHD with Binocular Balancing of Visual Fields



ATORIC DESIGN

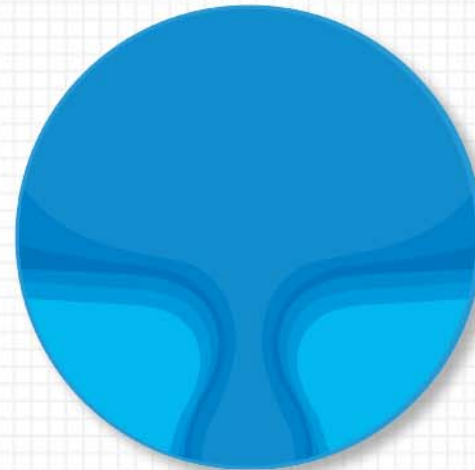


The vision zones of **NOVA UHD LENSES** are optimized using **ATORIC DESIGN** which helps to curb down the unwanted astigmatic aberrations thus maximizing the usable visual area incorporating the real feel of effortless natural vision.

0.00 Dsph/-2.00Dcyl AX 45 Near Addition +2.00Dsph

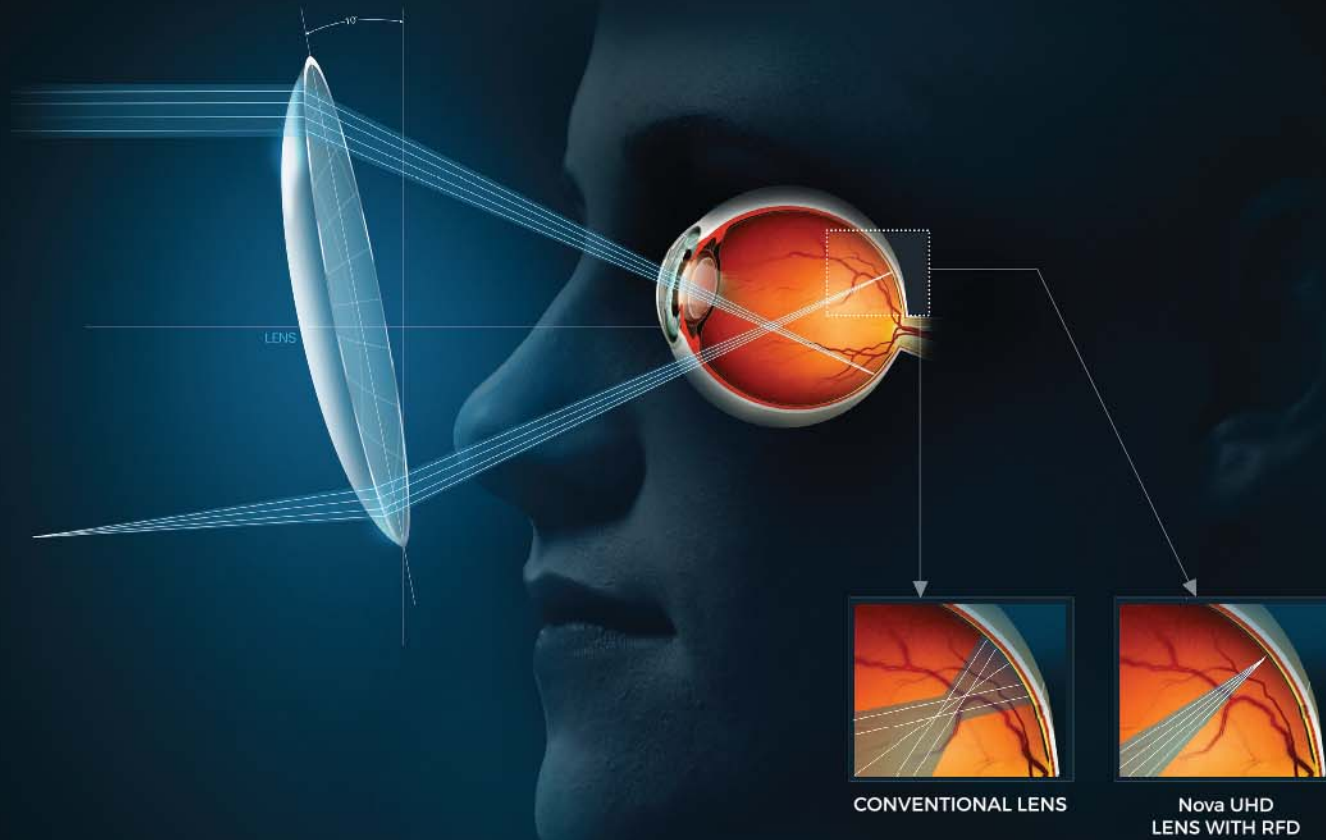


Without Atoric Design



With Atoric Design

RETINA FORWARD DESIGN



RETINA FORWARD DESIGN corrects the induced intraocular spherical aberration for different gaze directions caused due to the positioning of the lens. This optimization improves the image quality at the retina for all directions of gaze thus providing greater clarity and wearing comfort.

CONTRAST ENHANCEMENT WITH NOVA UHD LENSES



Powered with state of the art lens design, innovative optimization technologies & accurate Rx compensation, **NOVA UHD LENSES** offer **HIGH CONTRAST VISION** for superior clarity.



Low Contrast with
Conventional Progressive



High Contrast with
NOVA UHD Progressive



NOVA UHD- FEATURES AT A GLANCE



Variable Corridor- NOVA UHD offers 7 fitting heights, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm & 20mm allowing the wearer to choose almost every frame as per their fashion quotient & freewill.



Variable Inset- NOVA UHD offers variable near inset from 0mm to 4mm as per the eye anatomy & visual physiology of the wearer providing them with the real feel of effortless intermediate & near vision with each eye.



POW- NOVA UHD LENSES are customized as per the measurements of comfortable position of wear of the frame as per the wearer's choice. This allows the wearer to enjoy natural vision without compromising with their existing visual habit.

NOVA UHD- FEATURES AT A GLANCE



RVD- NOVA UHD LENSES are designed individually for every wearer using **Responsive Vision Design**. The wearer's are asked specific questions about their lifestyle & visual requirements & based on their response the perfect PAL design is generated to provide them with Ultra High Definition quality vision at all directions of gaze.



Clear View- NOVA UHD LENSES are designed with the breakthrough **Clear View Design**. This design takes into account the frame shape & the visual habit of the wearer (eye movement, head movement, laterality etc.) & selectively pushes the lateral aberrations out of the frame shape, enabling the wearer to enjoy distortion free panoramic vision for distance & extra wide field of vision for intermediate & near.



Binocular Balance- NOVA UHD LENSES are designed individually for every wearer using **Binocular Balance of Visual Fields**. The balance is induced by hardening the distortions nasally while softening the distortions temporally so that the wearer enjoys unrestricted fields of clear vision with both eyes working in unison for a grand 3 Dimensional visual experience.



USER BENEFITS

- ▶ Widest fields of clear peripheral vision
- ▶ Optimum fields of far, intermediate and near vision
- ▶ Reduction of higher order aberrations & swim effect
- ▶ Instant adaptation
- ▶ Maximum visual comfort
- ▶ Appealing aesthetics
- ▶ Higher levels of clarity & contrast

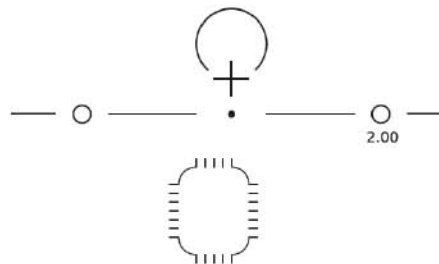
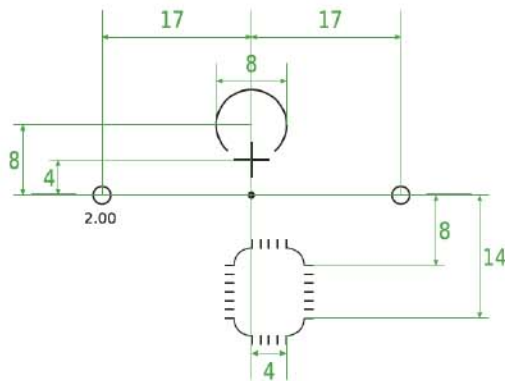


CONFIRM AVAILABILITY



SPHERE	CR39 / TRIVEX :+ 6.00 to - 6.00 D	CR39 / TRIVEX :+ 6.00 to - 6.00 D	CR39 / TRIVEX :+ 6.00 to - 6.00 D	CR39 / TRIVEX :+ 6.00 to - 6.00 D
CYLINDER	TRIVEX / CR39 :Up to 5.00	POLY /1.60 :Up to 6.00	1.67/1.74 : Up to 7.00	
ADDITIONS	0.75 to 3.50, Steps of 0.25	Measured by the convex		
DIAMETERS	Up to 100 mm depending on SF Blank & Index.			

UNDERSTANDING THE PAL MARKINGS OF NOVA UHD



DRP from PRP :- 8
 FT Cross from PRP :- 4
 NRP from PRP :- 8,9,10,11,12,13,14

The logo for NOVA UHD. It features a blue circle containing a stylized 'N' on the left. To its right, the word 'NOVA' is written in blue, with a small 'TM' trademark symbol to its upper right. Below 'NOVA', the letters 'UHD' are displayed in a multi-colored font, with 'U' in purple, 'H' in blue, and 'D' in green.

