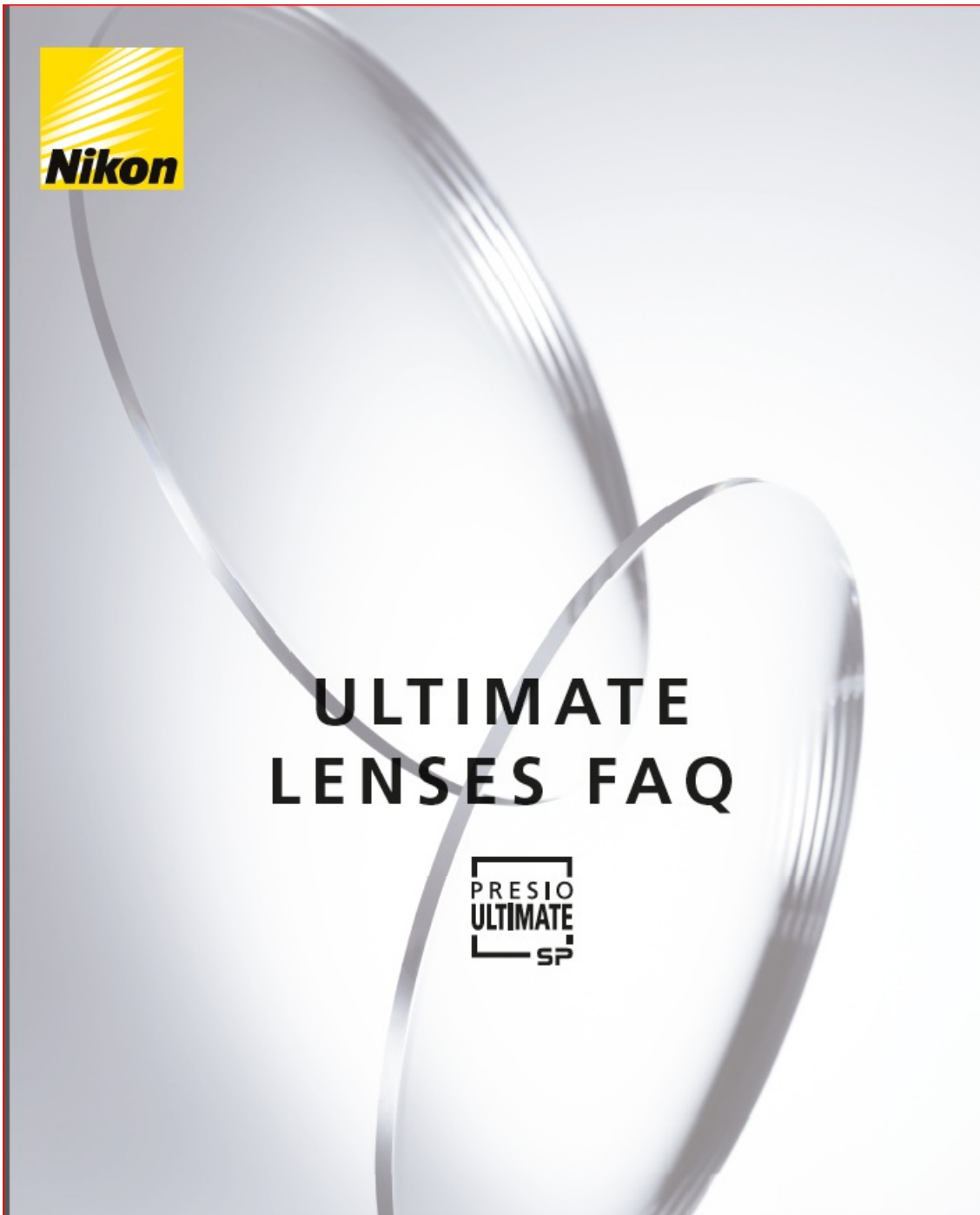


Nikon Ultimate FAQ

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FAQ

WHAT IS THE POSITIONING OF ULTIMATE?

Ultimate is positioned at the top of Nikon's progressive lens range. With the latest technology of Nikon, Presio Ultimate SP is fully personalized to each individual's needs, preference and viewing habits.

WHAT IS THE DIFFERENCE BETWEEN PRESIO ULTIMATE AND PRESIO ULTIMATE SP?

Presio Ultimate SP is fully personalized to each individual's needs (prescription), preference (sensitivity to aberration) and viewing habits (previous lens design). Presio Ultimate is tailored to the wearer's needs (prescription).

Note: this difference is the same for all the answers below.

WHAT IS THE DIFFERENCE BETWEEN ULTIMATE SERIES AND MASTER SERIES?

In addition to all of the technologies included in Master series, Ultimate series includes new insights technology: the design is based on the wearer's needs (prescription), tuned by the wearer's visual preference (sensitivity to aberration) and finally adapted to the viewing habits (previous lens design).

WHICH COMPETITOR LENS DESIGNS ARE COMPARABLE TO THE ULTIMATE?

Ultimate is based on new and patented technology and there is no comparable lens available on the market.

WHAT IS THE DIFFERENCE BETWEEN THE CUSTOMISATION OF ULTIMATE IN COMPARISON TO THE CUSTOMISATION OF OTHER PROGRESSIVE LENS PRODUCTS?

The first personalisation in the early 2000s was to adapt and maximise the design of the lens according to the selection of frame.

More recently and until now, the customisation has considered the behaviour of the patient (posture, head movement, eye movement).

Ultimate is fully personalized to each individual wearer's needs (prescription), preference (sensitivity to aberration) and viewing habits (previous lens design).

WHAT IS INSIGHTS TECHNOLOGY?

Ultimate is fully personalized to wearer's needs, preference and viewing habits:

1. Needs (prescription): The design is initially shaped according to the prescription of the patient; sphere, cylinder and addition. The benefit is the usable area is maximized while minimizing the visual distractions.
2. Preference (sensitivity to aberration): The design is tuned based on the patient's sensitivity to aberrations at both far and near. The benefit is to make residual aberrations as invisible as possible*.
3. Viewing habits (previous lens design): The design is adapted based on the power distribution along the progression length of the previous progressive lenses of the wearer, ensuring a familiar vertical eye rotation through near and intermediate zones. The benefit is to have seamless switch*.

* For Presio Ultimate SP version only.





FAQ

TALK MORE ABOUT INSIGHTS TECHNOLOGY 1: NEEDS (PRESCRIPTION)

A myope and a hyperope see differently; this is why the design of the progressive lens should be different.

With higher plus power file, the aberration and deformation increase. We will adapt the design in order to have the right design to maximize usable area.

Regarding near vision; as an add increases, the intermediate and near zones narrow, therefore a higher add requires a softer design than a lower add.

The benefit is maximized usable area while minimizing visual distractions.

TALK MORE ABOUT INSIGHTS TECHNOLOGY 2: PREFERENCE (SENSITIVITY TO ABERRATION)

Wearer test results show that wearers have varying sensitivity to aberration. As a result the visual performance of a lens can vary and can be optimised further for different wearers.

A wearer's sensitivity to aberration can be measured with an application available on an iPad*.

The benefit is to make residual aberrations as invisible as possible to the eyes.

TALK MORE ABOUT INSIGHTS TECHNOLOGY 3: VIEWING HABITS (PREVIOUS LENS DESIGN)

When a behavior is repetitive, habits are formed. Based on the power distribution of their previous lenses, a wearer becomes used to a particular vertical eye rotation angle to achieve the required addition. Presio Ultimate SP takes into account how the power was distributed along the progression length of the wearer's previous design and by matching this, The benefit is to ensure a seamless switch.

WHAT HAPPENS IF THE WEARER WAS NOT COMFORTABLE WITH THEIR PREVIOUS LENS DESIGN?

The calculation does not copy the previous lens design, it adapts the design based on the viewing habits for seamless and effortless focusing. Regardless of the comfort of the previous design, the wearer will be used to a particular vertical eye rotation angle to achieve their required addition.

WHAT SHOULD I INCLUDE WHEN ORDERING ULTIMATE (FOR PRESIO ULTIMATE SP AND PRESIO ULTIMATE)?

The mandatory information to order Ultimate is:

- Full prescription
- Pupillary distance (FV)
- Vertical heights
- Corridor (12, 14)

For frame position of wear customisation:

- Vertex distance
- Pantoscopic tilt
- Faceform angle
- Base curve selection

For Presio Ultimate SP (full personalization)

- Far vision sensitivity parameter
- Near vision sensitivity parameter
- Previous design parameter

For Presio Ultimate

No personalization parameters needed.

* For Presio Ultimate SP version only.



Nikon Spectacle Lenses



FAQ

IF I DO NOT PROVIDE THE 3 PARAMETERS OF FULL PERSONALIZATION, WHAT ARE THE BENEFITS OF ULTIMATE?

The design will still be customised based on Needs (prescription), maximizing the usable area for each unique prescription. Therefore even without the parameters of Preference (far and near vision sensitivity to aberrations) and Viewing Habits (previous lens design), usable areas are still greatly increased. If you do not provide personalization parameters, you can order Presio Ultimate version.

WHAT DO WE MEASURE FOR PREFERENCE?

Sensitivity to residual aberrations.

HOW CAN I MEASURE THE WEARER'S PREFERENCE (FAR AND NEAR VISION SENSITIVITY TO ABERRATION)?

By using the Ultimate sensitivity app

WHY IS THE APP NOT AVAILABLE ON ANDROID DEVICES?

The test to measure the wearer Sensitivity requires images of a specific quality and size. It is not possible to ensure that these conditions are met on the Android platform.

WHEN I USE THE APP, HOW CAN I ENSURE THE TEST RESULT WILL BE ACCURATE?

Follow the protocol in the app user guide.

Remember the aim of the test is not to choose the clearest image, but to choose the image that STARTS to become more defined to the patients.

WHAT SHOULD I ENTER IF I DO NOT KNOW THE PATIENT'S PREVIOUS LENS DESIGN?

If it is difficult to identify the previous design or the design is unknown, the option Other/Unknown can be selected in the Sensitivity App. In this case, default parameter 99 will be selected.

HAS THE SENSITIVITY PARAMETER, AND OR APP PROTOCOL BEEN PATENTED?

The method of designing the PAL based on the sensitivity test is patented.

WHAT IF MY PATIENT CHOOSES THE WRONG SENSITIVITY VALUE?

Current designs in the market do not have this preference test to define sensitivity to aberrations. Ultimate allows the wearer to select what they prefer. Even if they select a "wrong" value, this will not compromise other benefits of Ultimate like usable area and etc. The performance of the lens will still be greatly improved than previous series, even if not maximized.

WHICH CORRIDOR SHOULD I CHOOSE?

As with all other Nikon progressive lenses, it is recommended that as the add increases the corridor length is reduced
i.e +0.75 to +1.50D = 14 corridor,
+1.75D to +2.50D = 12 corridor,

HOW IS THE POWER DISTRIBUTION ALONG THE PROGRESSIVE LENGTH AFFECTED WHEN CHANGING CORRIDOR?

The power distribution will remain the same, however the distribution will be over a different progression length depending on the corridor.



Nikon Spectacle Lenses