



SLIT LAMP LENSES

CLASSIC | SUPER | DIGITAL

CLASSIC SERIES SLIT LAMP LENSES

The Volk Classic Series started the revolution of slit lamp fundus examination with lenses from this series considered the industry gold standard. The double-aspheric lens design combined with proprietary A/R coating and timeless manufacturing & inspection processes developed by Dr. David Volk and perfected over time result in exceptional image quality, clarity, and stereopsis to provide clear views across the entire lens, all the way to the periphery.

The Classic trinity of the 60D, 78D, and 90D double-aspheric lenses are designed to enable various levels of retinal examination ranging from detailed high-magnification macular visualization to far-peripheral and small pupil exams.

| CLASSIC SERIES | FIELD OF VIEW | IMAGE MAG | LASER SPOT MAG | WORKING DISTANCE | RING DIAMETER | PRIMARY APPLICATION |
|----------------|---------------|-----------|----------------|------------------|---------------|-----------------------------------------------|
| 60D | 68° / 81° | 1.15x | 0.87x | 13 mm | 34.9 mm | High Magnification View of the Posterior Pole |
| 78D | 81° / 97° | 0.93x | 1.08x | 8 mm | 34.9 mm | General Diagnosis and Laser Treatment |
| 90D | 74° / 89° | 0.76x | 1.32x | 7 mm | 25.8 mm | Pan Retinal Exam and Small Pupil Examination |

| SUPER SERIES | FIELD OF VIEW | IMAGE MAG | LASER SPOT MAG | WORKING DISTANCE | RING DIAMETER | PRIMARY APPLICATION |
|---------------------|---------------|-----------|----------------|------------------|---------------|---------------------------------------------------|
| Super 66® | 80° / 96° | 1.0x | 1.0x | 11 mm | 34.5 mm | High Magnification View of the Central Retina |
| SuperField® | 95° / 116° | 0.76x | 1.32x | 7 mm | 30.0 mm | Wide Field Small Pupil Pan Retinal Examination |
| Super VitreoFundus® | 103° / 124° | 0.57x | 1.75x | 4-5 mm | 26.7 mm | Ultra Wide Field Small Pupil Pan Retinal Scanning |
| SuperPupil® XL | 103° / 124° | 0.45x | 2.20x | 4 mm | 23.6 mm | Ultra Wide Field Small Pupil Pan Retinal Scanning |

| DIGITAL SERIES | FIELD OF VIEW | IMAGE MAG | LASER SPOT MAG | WORKING DISTANCE | RING DIAMETER | PRIMARY APPLICATION |
|---------------------------|---------------|-----------|----------------|------------------|---------------|---------------------------------------------------------|
| Digital High Mag® | 57° / 70° | 1.30x | 0.77x | 13 mm | 33.0 mm | High Resolution, High Magnification Retinal Examination |
| Digital 1.0x Imaging Lens | 60° / 72° | 1.0x | 1.0x | 12 mm | 31.1 mm | Digital Slit Lamp Photography |
| Digital Wide Field® | 103° / 124° | 0.72x | 1.39x | 4-5 mm | 34.9 mm | High Resolution Small Pupil Retinal Examination |

INSIGHT

Lens power is commonly measured in 'diopters' (eg. 90 diopters). Generally, an increase in diopter power results in a wider field of view and lower magnification. Conversely, the lower the diopter number, the lower the field of view and higher the magnification.

However, the size and design of the lens also play a role in performance. While the 90D theoretically should have a wider field of view, due to the 90D being smaller in size than the 78D, the field is essentially "cropped" in the 90D to allow for a small lens size. As a result, the 78D has both wider field and higher magnification than the 90D, despite its lower dioptric value.

When Dr. David Volk developed the first funduscopy lenses, the smaller size of the 90D was found to be the most widely accepted by doctors since it allowed for easier manipulation within the orbit and provided undilated exam ability leading it to become the most popular lens choice and establishing its place as the industry gold standard for slit lamp exams.

60D



V60C

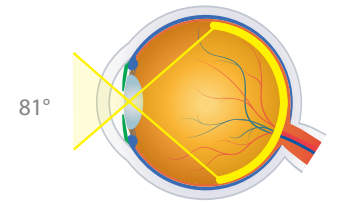
PRIMARY APPLICATION
High Magnification View of the Posterior Pole

- + High magnification lens for detailed optic disc and macula imaging
- + High magnification enables detection of small defects and subtle changes in retinal abnormalities
- + Ideal diameter for use in the orbital area
- + Dilation is required to obtain optimum retinal imaging

68°/81°
FIELD OF VIEW

1.15x
IMAGE MAG

0.87x
LASER SPOT MAG



78D



V78C

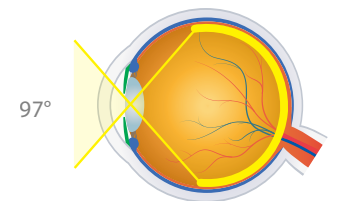
PRIMARY APPLICATION
General Diagnosis and Laser Treatment

- + Ideal balance of magnification and field of view
- + Optimally designed for use within range of motion of all slit lamps
- + Offers clear and large views of the central mid-retinal regions
- + Dilation is required to obtain optimum retinal imaging
- + Ideal general lens for doctors who regularly cater to populations prone to glaucoma and other posterior pole abnormalities

81°/97°
FIELD OF VIEW

0.93x
IMAGE MAG

1.08x
LASER SPOT MAG



90D



V90C

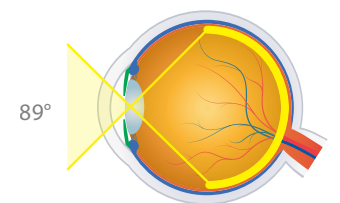
PRIMARY APPLICATION
Pan Retinal Exam and Small Pupil Examination

- + Original 90D lens that started the slit lamp fundus examination revolution and the industry gold standard
- + Small diameter ring is ideal for dynamic funduscopy and easy manipulation within the orbit
- + Optical profile makes it easy to use - an ideal training lens for new students and residents
- + Outstanding general diagnostic lens for pan retinal examination
- + Can be used on small pupils and patients who do not accommodate dilation

74°/89°
FIELD OF VIEW

0.76x
IMAGE MAG

1.32x
LASER SPOT MAG



AVAILABLE IN 7 DIFFERENT COLORS (shades may vary)

SUPER SERIES SLIT LAMP LENSES

Volk's commitment to optical excellence resulted in development of the 2nd generation of slit lamp lenses – The Super Series. The Super Series lenses combine advanced double-aspheric lens designs with high-grade glass and improved proprietary manufacturing processes to further enhance optical clarity and augment stereopsis for 3D-like viewing. The Super Series lenses were introduced with functionality in mind and cater to the full diagnostic spectrum from high-magnification stereoscopic capabilities to wide field peripheral viewing as well as unsurpassed small pupil visualization to enable undilated, wide-field exams.

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| Super VitreoFundus® | 103° / 124° | 0.57x | 1.75x | 4-5 mm | 26.7 mm | Ultra Wide Field Small Pupil Pan Retinal Scanning |
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| DIGITAL SERIES | FIELD OF VIEW | IMAGE MAG | LASER SPOT MAG | WORKING DISTANCE | RING DIAMETER | PRIMARY APPLICATION |
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| Digital 1.0x Imaging Lens | 60° / 72° | 1.0x | 1.0x | 12 mm | 31.1 mm | Digital Slit Lamp Photography |
| Digital Wide Field® | 103° / 124° | 0.72x | 1.39x | 4-5 mm | 34.9 mm | High Resolution Small Pupil Retinal Examination |



“EXCELLENT FIELD OF VIEW & MAGNIFICATION

The Volk Super 66 and SuperField lenses are amongst my favorite lenses. The Super 66 provides excellent magnification and stereopsis for examining the subtle details of my patient's optic nerve head and macula. The SuperField is the perfect complement to my 90D lens as it provides a wider field view out towards the periphery with the same magnification. I recommend both lenses to my residents and fellows as the optical clarity and views are excellent. I also tend to use the Digital Wide Field when I need to go even further out to the periphery.”

- Donny W. Suh, MD, FAAP, MBA, FACS

Pediatric Ophthalmology and Strabismus, Gavin Herbert Eye Institute (GHEI) & Children's Hospital of Orange County (CHOC), UC Irvine, Irvine, CA, USA

SLIT LAMP

Super 66®



VS66

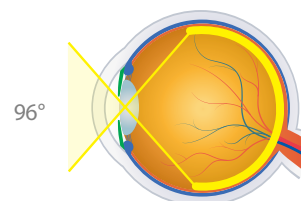
PRIMARY APPLICATION High Magnification Viewing of the Central Retina

- + Optical design enables 3D discernment of subtle macular and optic disc details with high magnification
- + 1.0x magnification simplifies optic disc ratio measurement
- + Seamless upgrade from the 78D

80°/96°
FIELD OF VIEW

1.0x
IMAGE MAG

1.0x
LASER SPOT MAG



SuperField®



VSFNC

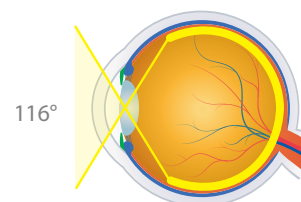
PRIMARY APPLICATION Wide Field Small Pupil Pan Retinal Examination

- + The 'Super 90D' – same magnification as the 90D with a wider field of view enabling both posterior pole and pan retinal examinations
- + Provides dynamic, high resolution viewing to the periphery
- + Combines a wide field of view with a comfortable working distance and magnification
- + Can be used on small pupils and patients who do not accommodate dilation

95°/116°
FIELD OF VIEW

0.76x
IMAGE MAG

1.32x
LASER SPOT MAG



Super VitreoFundus®



VSVF

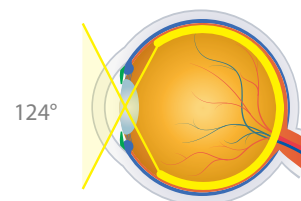
PRIMARY APPLICATION Ultra Wide Field Small Pupil Pan Retinal Examination

- + Wide field of view with views past the vortex
- + Excellent small pupil capability through a 3-4 mm pupil
- + Ideal for quick undilated screening exams
- + A shorter working distance will enable the full wide field of view capability of this lens

103°/124°
FIELD OF VIEW

0.57x
IMAGE MAG

1.75x
LASER SPOT MAG



SuperPupil® XL



VSPXL

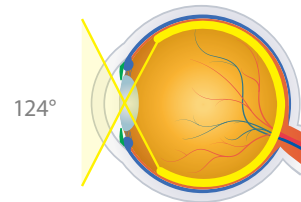
PRIMARY APPLICATION Ultra Wide Field Small Pupil Pan Retinal Examination

- + Optimal small pupil capability through a pupil as small as 2-3 mm
- + Excellent for funduscopy through a miotic pupil
- + Wide field views past the vortex
- + Most popular choice for quick undilated screening exams

103°/124°
FIELD OF VIEW

0.45x
IMAGE MAG

2.20x
LASER SPOT MAG



AVAILABLE IN 7 DIFFERENT COLORS (shades may vary)

DIGITAL SERIES SLIT LAMP LENSES

Volk has taken double-aspheric lenses to the next level with our 3rd Generation slit lamp lenses: The Digital Series. Similar to the Digital BIO lenses, the digital slit lamp series incorporates advanced optical lens design to minimize distortion and enhance stereopsis coupled with low-dispersion glass to reduce chromatic aberrations. The digital series lenses are equipped with advanced A/R coatings to reduce reflections and glare up to 50% more than traditional coatings. These collective advancements result in high resolution imaging & superior optical clarity to produce detailed views of the retina that were previously unattainable at the slit lamp.

Whether you're looking for a wider field of view or higher magnification, Volk's Digital Series slit lamp lenses have you covered. The Digital Wide Field®, Digital High Mag®, and Digital 1.0x Imaging Lens offer the highest image resolution available.

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| Digital Wide Field® | 103° / 124° | 0.72x | 1.39x | 4-5 mm | 34.9 mm | High Resolution Small Pupil Retinal Examination |



“THE BEST OF TWO WORLDS!”

The Volk Digital Wide Field lens is such an amazing all-rounder lens to use in my retinal practice. It presents me with the best of two worlds – not only does it provide an exceptional wide field view of the peripheral retinal pathology without peripheral aberrations allowing me to see a crystal clear and focused image throughout the entire examination, it also preserves the magnification needed to conduct a thorough exam. The superior optical quality and high resolution of this lens make it very reliable in detecting pathology that I hardly need to use contact 3-mirror lenses in my busy vitreoretinal clinic as I have full confidence in

making an accurate diagnosis with the Volk Digital Wide Field lens. It is very easy to use on un-dilated pupils and patients with small pupils and my trainees find it very comfortable to hold and use while examining their patients as well.”

- Maged Habib, MD Consultant Ophthalmologist & Vitreoretinal Surgeon, Sunderland Eye Infirmary, Honorary Clinical Senior Lecturer, Biosciences Institute, Newcastle University, United Kingdom

SLIT LAMP

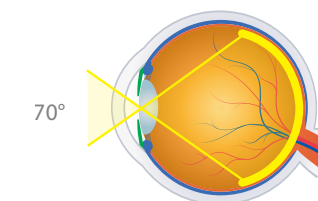
Digital High Mag® 3rd Generation 60D



PRIMARY APPLICATION High Resolution, High Magnification Retinal Examination

- + High magnification, along with outstanding stereopsis, provide detailed stereo views of the optic disc, the optic nerve, and the retinal nerve fiber layer making this lens ideal for glaucoma screening
- + Image magnification of 1.30x is the highest magnification available in a non-contact slit lamp lens

57°/70°
FIELD OF VIEW
1.30x
IMAGE MAG
0.77x
LASER SPOT MAG



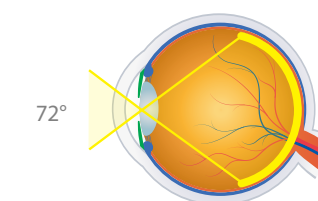
Digital 1.0x Imaging Lens



PRIMARY APPLICATION Digital Slit Lamp Photography

- + Unique glass surface curvature and coating minimize photographic distortion and reflections
- + 1.0x magnification simplifies optic disc ratio measurements
- + High-index, high resolution glass provides improved stereopsis and image clarity
- + Perfect lens for photography at the slit lamp

60°/72°
FIELD OF VIEW
1.0x
IMAGE MAG
1.0x
LASER SPOT MAG



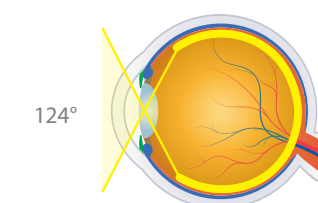
Digital Wide Field® 3rd Generation 90D



PRIMARY APPLICATION High Resolution Small Pupil Pan Retinal Examination

- + 40% more field of view than the Classic 90D, the widest field of view available in a non-contact lens
- + Allows crystal clear, distortion-free views spanning from central retina to the periphery, including ora serrata under dynamic viewing
- + Enhanced double-aspheric design paired with high-index glass ensures highest resolution stereo image, even through small pupils
- + A shorter working distance will enable appreciation of the full wide field of view capability of this lens

103°/124°
FIELD OF VIEW
0.72x
IMAGE MAG
1.39x
LASER SPOT MAG



“OUTSTANDING RESOLUTION

I keep a Volk Digital High Mag Lens in my coat pocket whenever I'm in clinic. I think of it as a 'poor man's OCT' because of the outstanding resolution and stereopsis it provides. Its image rivals that of many contact lenses, yet without the inconvenience and patient discomfort. More importantly, the non-contact design preserves the corneal surface for any diagnostic testing needed later that day.”

- Carl C. Awh, MD FASRS

President, Tennessee Retina & Former President of ASRS, Nashville, TN, USA



AVAILABLE IN 7 DIFFERENT COLORS (shades may vary)



KEEP AN EYE OUT FOR OUR SEASONAL

LIMITED EDITION PINK LENSES

OUR GENERATIONS

From the Classic 20D, 78D and 90D lenses, Volk's lenses have evolved through the second generation (Super Series) to the current, third generation (Digital Series) for the highest quality retinal imaging available.

THINK PINK

ADD A POP OF COLOR TO YOUR COLLECTION

1ST GENERATION



20D: Most popular lens for general BIO exams

90D: Most popular lens for examination at the slit lamp and great for small pupils

78D: Complements the 90D but with higher magnification for central retinal examination

2ND GENERATION



Pan Retinal 2.2: 22% wider field of view than the 20D

SuperField®: 30% wider field of view than the 90D

Super 66®: Complements the 90D, but with a higher magnification to use for central retinal examination

3RD GENERATION



Digital ClearField: Highest resolution diagnostic BIO lens

Digital Wide Field®: Ultimate 90D power lens with 40% wider field of view than the 90D

Digital High Mag®: The highest magnification and finest resolution lens for detailed central retinal views.



AVAILABLE IN 20D, 78D, 90D, SUPERFIELD & DIGITAL WIDE FIELD

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