



# BIO LENSES

CLASSIC | DIGITAL

# CLASSIC BIO LENSES

Volk Optical pioneered the double-aspheric lens design, a breakthrough innovation where both surfaces of the lens are aspheric, resulting in exceptional image quality, clarity, and stereopsis to provide clear views across the entire lens, all the way to the periphery. The combination of Volk's patented double-aspheric optical design in conjunction with the highest quality glass materials, proprietary anti-reflective (A/R) coating, and timeless manufacturing and inspection processes developed by Dr. David Volk and perfected over time, make Volk's Classic Series lenses the leading standard in the ophthalmic industry.

CLASSIC SERIES	FIELD OF VIEW	IMAGE MAG	LASER SPOT MAG	WORKING DISTANCE	RING DIAMETER	PRIMARY APPLICATION
Macula Plus® 5.5	36° / 43°	5.50x	0.18x	80 mm	63.2 mm	Ultra-high resolution viewing of posterior pole
14D	36° / 47°	4.30x	0.23x	75 mm	57.4 mm	High magnification viewing of posterior pole
15D	36° / 47°	4.11x	0.24x	72 mm	57.4 mm	High magnification viewing of posterior pole
20D	46° / 60°	3.13x	0.32x	50 mm	55.4 mm	General diagnosis and treatment
Pan Retinal® 2.2	56° / 73°	2.68x	0.37x	40 mm	57.4 mm	General diagnosis and treatment
25D	52° / 68°	2.54x	0.39x	38 mm	50.1 mm	Mid-peripheral diagnosis and treatment
28D	53° / 69°	2.27x	0.44x	33 mm	45.9 mm	Small pupil diagnosis and treatment
30D Small	44° / 57°	2.09x	0.48x	31 mm	34.9 mm	Small profile lens for ease of use within the orbit
30D	58° / 75°	2.15x	0.47x	30 mm	48.3 mm	Small pupil diagnosis and treatment
40D	69° / 90°	1.67x	0.60x	20 mm	45.3 mm	Retinal examination and diagnosis at the far periphery
DIGITAL SERIES	FIELD OF VIEW	IMAGE MAG	LASER SPOT MAG	WORKING DISTANCE	RING DIAMETER	PRIMARY APPLICATION
Digital ClearMag	38° / 49°	3.89x	0.26x	60 mm	51.9 mm	Detailed optic disc and posterior pole examination
Digital ClearField	55° / 72°	2.79x	0.36x	37 mm	51.9 mm	Mid and far-peripheral retinal examination

## Macula Plus® 5.5

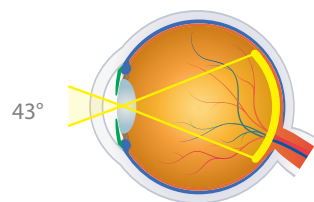


VMP5.5

### PRIMARY APPLICATION Ultra-High Magnification View of the Central Retina

- + Excellent stereo imaging for diagnosis of macular abnormalities in diseases like age-related macular degeneration
- + Highest magnification BIO lens facilitates examination of geriatric patients
- + Lens adapter provides stability for extended working distance

36°/43°  
FIELD OF VIEW    5.50x  
IMAGE MAG    0.18x  
LASER SPOT MAG



## 14D

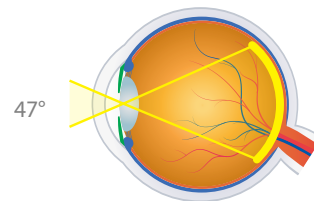


V14LC

### PRIMARY APPLICATION High Magnification Viewing of the Posterior Pole

- + High magnification provides excellent imaging of the macula and optic disc
- + Detailed view of the optic disc facilitates glaucoma screening examination
- + The only single-aspheric BIO lens design, it still remains in our portfolio for those users who are accustomed to this design

36°/47°  
FIELD OF VIEW    4.30x  
IMAGE MAG    0.23x  
IMAGE SPOT MAG



## 15D

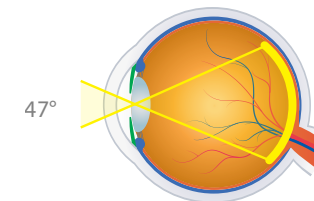


V15LC

### PRIMARY APPLICATION High Magnification Viewing of the Posterior Pole

- + High magnification allows thorough examination of the macula and optic disc
- + Double-aspheric design provides enhanced clarity, even at the periphery
- + Detailed view of the optic disc facilitates targeted central retinal examination such as glaucoma screening

36°/47°  
FIELD OF VIEW    4.11x  
IMAGE MAG    0.24x  
LASER SPOT MAG



## 20D

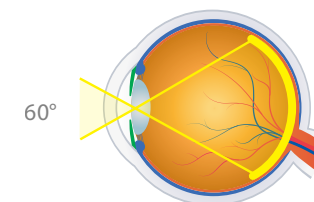


V20LC

### PRIMARY APPLICATION Industry Standard General Diagnostic Lens

- + Perfect balance of magnification and field of view makes this lens the most popular choice for general diagnostic exams.
- + Dynamic examination allows viewing of the peripheral retina while a primary position gaze enables a central retinal exam
- + Also available in autoclave sterilizable (ACS) design (see page 53) or single-use design (see page 58)

46°/60°  
FIELD OF VIEW    3.13x  
IMAGE MAG    0.32x  
LASER SPOT MAG



## Pan Retinal® 2.2

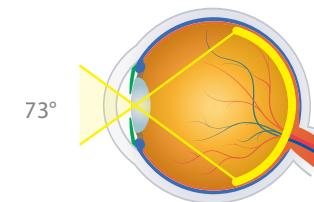


VPRC

### PRIMARY APPLICATION Excellent for General Diagnosis and Treatment

- + Balance of magnification and field of view for general diagnosis with 20% wider field than the 20D allowing for a quick general exam
- + Allows clear visualization up to the peripheral retina during dynamic examination to quickly examine and identify peripheral retinal tears, hemorrhages and other defects
- + Examine through small pupils

56°/73°  
FIELD OF VIEW    2.68x  
IMAGE MAG    0.37x  
LASER SPOT MAG



## 25D

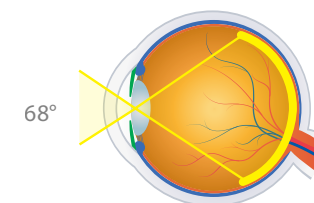


V25LC

### PRIMARY APPLICATION Mid-Peripheral Diagnosis and Treatment

- + Provides approximately 15% wider field of view than the 20D, which extends from the central to the mid-peripheral retina
- + Smaller diameter facilitates manipulation within the orbit and is perfect for those doctors with smaller hands

52°/68°  
FIELD OF VIEW    2.54x  
IMAGE MAG    0.39x  
LASER SPOT MAG



AVAILABLE IN 7 DIFFERENT COLORS (shades may vary)



28D



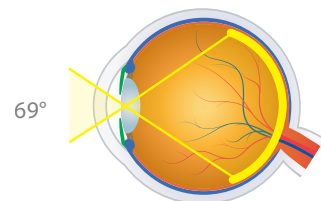
V28LC



**PRIMARY APPLICATION**  
Ideal for Fundus Scanning

- + Wide field capability enables visualization past the mid-periphery to equator and viewing to the far-periphery during a dynamic exam
- + Optical design and lens power make it ideal for small pupils
- + Small profile and short working distance enable easy lens manipulation for fast examination/scanning
- + Most widely used for ROP and peripheral retinal defects
- + Available in autoclave sterilizable (ACS\*) design (see page 53) or single-use design (see page 58)

53°/69°  
FIELD OF VIEW  
2.27x  
IMAGE MAG  
0.44x  
LASER SPOT MAG



30D Small

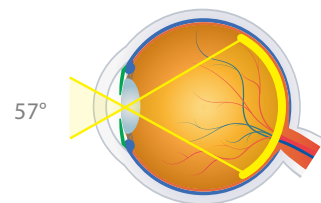


V30SC

**PRIMARY APPLICATION**  
Small Pupil and Pediatric Examination

- + Optical design delivers high resolution views through a small pupil
- + Small profile lens for ease of use within the orbit during examination making it ideal for babies and children
- + Provides similar field of view as the 20D
- + Commonly used in ROP screening

44°/57°  
FIELD OF VIEW  
2.09x  
IMAGE MAG  
0.48x  
LASER SPOT MAG



30D

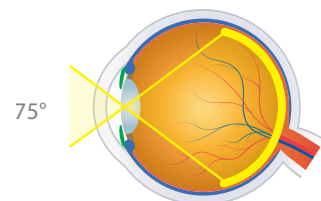


V30LC

**PRIMARY APPLICATION**  
Small Pupil and Pediatric Examination

- + Optical design delivers high resolution views through a small pupil
- + Dynamic BIO exam yields a field of view of the peripheral retina
- + Small profile enables quick and easy examination, enhancing patient comfort and cooperation

58°/75°  
FIELD OF VIEW  
2.15x  
IMAGE MAG  
0.47x  
LASER SPOT MAG



40D

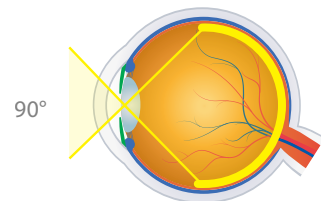


V40LC

**PRIMARY APPLICATION**  
Low Mag Scanning out to the Far-Peripheral Retina

- + Widest field of view available in a BIO lens allowing views to the far peripheral retina
- + Great for small pupil and pediatric exam
- + Wide field of lens allows for a rapid exam - perfect for patients who have trouble sitting still

69°/90°  
FIELD OF VIEW  
1.67x  
IMAGE MAG  
0.60x  
LASER SPOT MAG



# DIGITAL SERIES BIO LENSES

The Digital Series BIO lenses are a result of Volk's spirit of innovation and undying commitment to optical excellence. The Digital 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 have 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.

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Digital ClearMag  
Next Gen 14D/15D

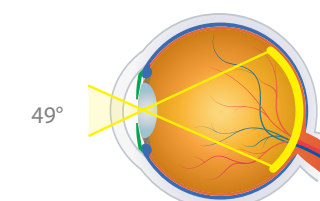


VDGTLCM

**PRIMARY APPLICATION**  
High Resolution Exam of the Posterior Pole

- + Designed specifically for high magnification and detailed examination of the macula and optic disc, this lens is perfect for detecting and monitoring subtle changes in disc morphology
- + High resolution view of the central retina

38°/49°  
FIELD OF VIEW  
3.89x  
IMAGE MAG  
0.26x  
LASER SPOT MAG



Digital ClearField  
Next Gen 20D

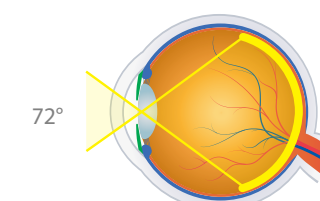


VDGTLCF

**PRIMARY APPLICATION**  
High Resolution Retinal Exam

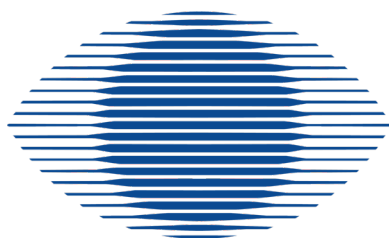
- + 20% wider field of view than the Classic 20D lens, this lens is the perfect choice for peripheral retinal examinations to diagnose retinal detachments
- + High resolution view from the central to the mid and far-peripheral retina, even through small pupils

55°/72°  
FIELD OF VIEW  
2.79x  
IMAGE MAG  
0.36x  
LASER SPOT MAG



AVAILABLE IN 7 DIFFERENT COLORS (shades may vary)

**DISTRIBUTORE ITALIANO**



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