

ION VISION, INC. PRODUCT COMPARISON CHART

ION VISION, INC.®	Ocular Instruments ^{1,2}	Volk® ³	Product Specification Ranges	Differences
eZView 15D®	MaxField® 14D	15D	Magnification 4.1-4.2x, Laser Spot Factor .2x, Field of View 36-37°, Working Distance 72mm	NOTE A & B
eZView 20D®	MaxField® 20D	20D	Magnification 3.0x, Laser Spot Factor .3x, Field of View 46°-50°, Working Distance 47-50mm	NOTE A & B
SurgiView 20D®	MaxAC® 20D	20D ACS	Magnification 3.0x, Laser Spot Factor .3x, Field of View 46°-50°, Working Distance 47-50mm	NOTE G
eZView 22D®	MaxField® 22D	Pan Retinal® 2.2	Magnification 2.7x, Laser Spot Factor .4x, Field of View 56°-60°, Working Distance 39-40mm	NOTE A & B
eZView 25D®	MaxField® 25D	25D	Magnification 2.5x, Laser Spot Factor .4x, Field of View 52°-68°, Working Distance 38mm	NOTE A & B
eZView 28D®	MaxField® 28D	28D	Magnification 2.1-2.3x, Laser Spot Factor .44-47x, Field of View 53°-58°, Working Distance 27-33mm	NOTE A & B
SurgiView 28D®	MaxAC® 28D	28D ACS	Magnification 2.1-2.3x, Laser Spot Factor .44-47x, Field of View 53°-58°, Working Distance 27-33mm	NOTE G
eZView 30D®	MaxField® 30D	30D	Magnification 2.2x, Laser Spot Factor .5x, Field of View 58°-75°, Working Distance 30mm	NOTE A & B
eZView 40D®	MaxField® 40D	40D	Magnification 1.7x, Laser Spot Factor .6x, Field of View 69°-90°, Working Distance 20mm	NOTE A & B
i3D Elite Mag®	N/A	Digital Clear Mag	Magnification 3.89x, Laser Spot Factor .26x, Field of View 38°-49°, Working Distance 60mm	NOTE B
i3D Elite Wide®	N/A	Digital Clear Field	Magnification 2.79x, Laser Spot Factor .36x, Field of View 55°-72°, Working Distance 37mm	NOTE B
eZView 60D®	Ultra Mag 60, MaxField® 60D	60D	Magnification 1.15x, Laser Spot Factor .9x, Field of View 68°-131°, Working Distance 10-13mm	NOTE A & B
eZView 78D®	High Mag 78	78D	Magnification .9x, Laser Spot Factor 1.1x, Field of View 81°-139°, Working Distance 8mm	NOTE A & B
eZView 90D®	Standard 90, MaxField® 90	90D	Magnification .75x, Laser Spot Factor 1.3x, Field of View 74°-153°, Working Distance 5-7mm	NOTE A & B
eZView 95®	MaxField® 66D	Super 66®	Magnification .9-1.0x, Laser Spot Factor 1.0-1.1x, Field of View 80°-144°, Working Distance 8-11mm	NOTE A & B
eZView 115®	Osher MaxField® 78D	SuperField NC®	Magnification .76x, Laser Spot Factor 1.3x, Field of View 95°-155°, Working Distance 7mm	NOTE A & B
eZView 125®	MaxField® 100D	Super VitreoFundus®	Magnification .6x, Laser Spot Factor 1.7x, Field of View 103°-146°, Working Distance 4mm	NOTE A & B
eZView 124SP®	Ultra View SP 132D	SuperPupil® XL	Magnification .45x, Laser Spot Factor 2.2x, Field of View 97°-158°, Working Distance 4mm	NOTE A & B
i3D HiMag®	MaxField® 66D	Super 66®	Magnification .9-1.0x, Laser Spot Factor 1.0-1.1x, Field of View 80°-144°, Working Distance 8-11mm	NOTE A & B
i3D WideField®	Osher MaxField® 78D	SuperField NC®	Magnification .76x, Laser Spot Factor 1.3x, Field of View 95°-155°, Working Distance 7mm	NOTE A & B
i3D Ultra WideField®	MaxField® 100D	Super VitreoFundus®	Magnification .57-.6x, Laser Spot Factor 1.7x, Field of View 103°-146°, Working Distance 4mm	NOTE A & B
i3D UltraWide Non-Myd®	Ultra View SP 132D	SuperPupil® XL	Magnification .45x, Laser Spot Factor 2.2x, Field of View 97°-158°, Working Distance 4mm	NOTE A & B
i3D Elite StereoMag®	N/A	Digital High Mag	Magnification 1.3x, Laser Spot Factor .77x, Field of View 57°-70°, Working Distance 13mm	NOTE B
i3D Elite Stereo1x®	N/A	Digital 1.0x Imaging	Magnification 1.0x, Laser Spot Factor 1.0x, Field of View 60°-72°, Working Distance 12mm	NOTE B
i3D Elite Field®	N/A	Digital Wide Field	Magnification .72x, Laser Spot Factor 1.39x, Field of View 103°-124°, Working Distance 4-5mm	NOTE B
OmniView 145® OmniView 165®	Ocular Mainster PRP 165, Ocular ProRetina 120 PB, Ocular Reichel-Mainster 2X	QuadrAspheric® SuperQuad® 160, H-R Wide Field	Magnification .5x, Laser Spot Factor 1.9-2.0x, Field of View 144°-180°	NOTE C
OmniView 137®	Ocular Pro Retina 120 PB, Ocular Reichel-Mainster 2X	Equator Plus®	Magnification .44x-.50x, Laser Spot Factor 2.00x-2.27x, Field of View 114°-142°	NOTE C
OmniView 135®	Ocular Mainster Wide Field, Ocular PDT 1.6x	PDT Lens, TransEquator®	Magnification .6x-.7x, Laser Spot Factor 1.4-1.5x, Field of View 118°-137°	NOTE C
OmniView 85®	Ocular Reichel-Mainster IX, Ocular Mainster Focal/Grid	HR Centralis, Area Centralis®	Magnification .9x-1.0x, Laser Spot Factor .9x-1.0x, Field of View 70°-121°	NOTE C
DirectView 1 Mirror SLT & SLT w/ Flange®	Latina SLT Gonio Laser	Volk SLT Lens	1 Mirror SLT: Magnification & Laser Spot Factor 1.0x	NOTE C & D
DirectView 3 & 4 Mirror Lenses®	Various 3 & 4 Mirror designs	G1-G4 lenses	3 & 4 mirror designs.	NOTE E
DirectView Fundus 1.0x®	Ocular Fundus	Centralis Direct®	Magnification .9x-1.0x, Laser Spot Factor 1.0 x-1.1x, Field of View 22°-35°	NOTE D
DirectView Iridotomy® & Capsulotomy®	Abraham & Mandelkorn Iridectomy / Capsulotomy, Peyman G. Capsulotomy,	Capsulotomy / Iridectomy, Blumenthal Iridotomy	Magnification 1.5x, Laser Spot Factor 0.63x	NOTE D
DirectView Suture Lysis® & TS®	Hoskins, Mandelkorn & Ritch Suture Lysis	Blumenkrantz Suture Lysis	1.0x-2.0x Magnification	NOTE D
SurgiView Direct .5, .75, 1.0, 1.5x®	Landers & HRI (non steam Sterilizable)	ACS Direct Lenses	0.5-1.5x Magnification	NOTE F

NOTE A: ION has a superior optical design, all glass lens and a superior broadband AR coating vs. Ocular.

NOTE B: ION has a comparable optical design, all glass lens and a superior broadband AR coating vs. Volk.

NOTE C: ION has a glass contacting element that is more durable and easier for cleaning compared to Volk & Ocular's plastic contacting surface. ION has a superior broadband AR coating.

NOTE D: ION has a completely all-glass lens while Volk & Ocular's is all plastic. ION has superior broadband AR coating.

NOTE E: ION has a completely all-glass lens and the same design as Volk, Ocular lenses are plastic, ION has a superior broadband AR coating.

NOTE F: Ocular offers glass direct lenses that are not steam sterilizable, ION has a Glass Lens with premium broadband AR / Steam Sterilizable coating which deters staining and is an exclusive in the industry.

NOTE G: ION, Volk, and Ocular lenses are glass. Volk claims having a stain resistant proprietary glass. Ocular has an uncoated glass lens with steam sterilization restrictions stating "Use only distilled water in the steam sterilizer. If not distilled, mineral deposits from hard water (steam) will leave a cloudy film on the lens. The deposit can only be removed by regrinding and re-polishing the lens and repair costs approximate that of a new lens." Neither Ocular or Volk products deters staining after multiple steam sterilization cycles. ION has a premium broadband AR / Steam Sterilizable coating which deters staining and is an exclusive in the industry.

(1) Data provided from Ocular Instruments, Inc. marketing literature "Retina Lens Competitive Comparison Chart" in 11/9/2003

(2) Data provided from Ocular Instruments, Inc. marketing literature "Maxfield® Indirect Diagnostic/Laser Lens Comparison Chart" 031015, Ocular-Instruments website.

(3) Data provided from Volk Optical, Inc. website 5/04, 12/05.

Working distance can affect magnification/laser spot factor. As the working distance decreases, the magnification increases and field of view/laser spot factor decrease. As the working distance increases, the magnification decreases and field of view/laser spot factor increase.

Product statistics and specification ranges from published literature are provided for comparative information purposes only. Reference manufacturers' specific product specifications for usages and exact product specifications.

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