ZOOMAX

ZOOMAX™



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TTL ERGO FREEFLEX SERIES SURGICAL LOUPE

3 in 1 Magnifications, 1 Device, Same posture.

Experience precision like never before with adjustable loupes offering three magnifications in a single device.

Zoomax Ergo FREEFLEX : Variable Magnification Loupes

Introducing Zoomax Ergo Freeflex, ergonomic loupes with adjustable magnification.

The patent-pending Ergo Freeflex offers three magnifications in a single device—all while maintaining a neutral, strain-free posture.

3.5X
5.0X
7.0X

Working Distance	Field of View	Magnification	Net Weight
Customized	Variable	3.5x,5.0x & 7.0x	60g

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SF SERIES SURGICAL LOUPES

Zoomax SF Series custom made loupes are made of SCHOTT GLASS made in German Technology, multi-coated, bright and clear vision, sharp and colourless, with aluminium barrels and sports aluminium magnesium holder , for increased durability and fashion.

	Working Distance	Field of View	Depth of Field	Net Weight
3.0X	400 - 1200mm	110-150 mm	3.0x	40.8g
3.5X	Customized	90-110 mm	3.5x	38.8g

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ZOOMAX SF Sports Frame Gives you Inner Attachment Option

Clip-In Prescription Technology :-

- These frames allow you to insert prescription lenses into the sports glasses via a clip-in system. This is ideal for Doctor's who need vision correction.

- The inner lens frame can be customized with single-vision, bifocal, or progressive lenses, depending on the user's needs.

- The clip-in design makes it easy to switch lenses for different prescriptions or lighting conditions, offering flexibility.

- Users can take the frame and clip to an optician to get prescription lenses fitted. The inner lens frame is designed to accommodate high prescriptions, including myopia, hyperopia, and astigmatism .







ZOOMAX SF Series Colour

What Colour makes you smart ? You're still You while you are at work. That's why we made sure to provide two sports frame allow you to express your unique personality and work in comfort.

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TF SERIES TITANIUM SURGICAL LOUPES

Zoomax TF series loupes ultra-light metal bracket, comfortable to wear, bright and ultra-transparent vision, super depth of field to bring flagship experience. customize your own pupil distance and working distance, It can also meet the needs of people with myopia, astigmatism and farsightedness, and bring you new solutions.

	Working Distance	Field of View	Magnification	Net Weight
3.3X	400mm to 800mm	110-150 mm	3.3x	42.8g
3.7X	Customized	90-110 mm	3.7x	42.8g

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ZOOMAX ERGO TTL SURGICAL LOUPES

What are ergonomic loupes?

A truly ergonomic solution is one that does the work instead of the practitioner. Historically, every innovation in dental loupes has been dubbed "ergonomic" because each advancement improved the practitioner's posture, enabling less physical strain and contortion while treating patients. Improving without solving the problem created the assumption that it is normal and acceptable for practitioners to sacrifice their own health and well-being to take care of their patients. It doesn't have to be that way. It shouldn't be that way - that's why we developed ZOOMAX Ergo

	Working Distance	Field of View	Depth of Field	Net Weight
3.0X	450mm	85mm	95mm	55g
	500mm	95mm	125mm	55g
	550mm	105mm	135mm	55g
4.0X	450mm	70mm	80mm	56g
	500mm	80mm	95mm	56g
	550mm	95mm	110mm	56g
5.0X	450mm	60mm	70mm	57.6g
	500mm	65mm	85mm	57.6g
	550mm	75mm	115mm	57.6g
6.0X	450mm	60mm	70mm	57.6g
	500mm	65mm	85mm	57.6g
	550mm	75mm	115mm	57.6g

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ZOOMAX Frames

ZOOMAX Pure Titanium Construction frames support our high-powered Loupes without sacrificing Your look or Comfort.

- **Pure Titanium Construction.**
- **Steep frame tilt angle designed for the best posture loupes.**
- **The patented interchangeable Ergo Fit Nose Pad is adjustable for comfort with various nose shapes and allows you to adjust the oculars to your preferred placement from your eyes.**

ZOOMAX TTL ERGO

COLOUR OPTION

What Colour makes you smart ?

You're still You while you are at work. That's why we make sure to provide five titanium frame colours allow you to express your unique personality and work in comfort.



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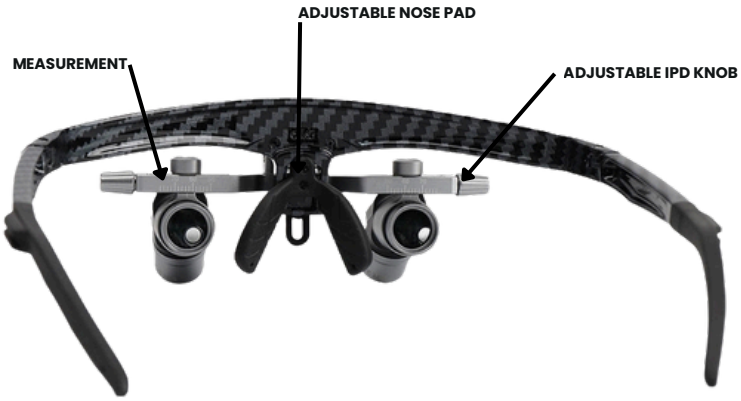
ERGO FLIPUP BLACK PANTHER SERIES SURGICAL LOUPES

Zoomax ergo Adjustable IPD (Interpupillary Distance) is a game-changer because it moves away from the "one-size-fits-all" or "fixed forever" model of traditional loupes.
While Ergo loupes fix your posture, adjustable IPD fixes your visual alignment by allowing you to manually set the distance between the two optical barrels to match the exact center of your pupils.



why "Adjustable" IPD Matters
Most high-end Ergo loupes are TTL (Through-The-Lens), meaning the IPD is permanently drilled into the glass based on a single measurement taken when you bought them. Adjustable IPD loupes (often called "Vario" or "Flip-up Ergo" models) offer several unique benefits:

- **Shared Use: If you work in a multi-practitioner clinic or a dental school, adjustable IPD allows different people to use the same pair of high-end loupes simply by twisting a knob or sliding the barrels.**

- **Aging & Vision Shifts: Your IPD can subtly change over years due to weight fluctuations, facial aging, or changes in how your eyes converge. Adjustable models allow you to recalibrate without buying a new $2,000+ pair.**
- **Precision Focus: If your IPD is off by even 1mm, your brain has to work overtime to fuse two images into one. This leads to "latent eye strain," headaches, and ghosting at the edges of your vision. Adjustable loupes let you "dial in" the perfect binocular view until the image is perfectly crisp.**
- **Adaptability to Lighting: In very bright or very dim settings, your pupils may constrict or dilate (miosis/mydriasis). Being able to micro-adjust the optics can help maintain a comfortable view in different operatory environments.**

How to Adjust Your Interpupillary Distance

- **If you are testing adjustable IPD loupes, use this quick check to ensure they are set correctly:**
- **Close one eye: Look at a fine detail (like a newsprint or a crack in a tooth model).**
- **Switch eyes: The object should stay in the exact same spot in your field of view.**
- **Open both: If you see a "double" image or a "shadow" for a split second before it snaps into focus, your IPD needs to be adjusted slightly inward or outward.**

	Working Distance	Field of View	Depth of Field	Net Weight
3.0X	450mm	85mm	95mm	55g
	500mm	95mm	125mm	55g
	550mm	105mm	135mm	55g
4.0X	450mm	70mm	80mm	56g
	500mm	80mm	95mm	56g
	550mm	95mm	110mm	56g
5.0X	450mm	60mm	70mm	57.6g
	500mm	65mm	85mm	57.6g
	550mm	75mm	115mm	57.6g
6.0X	450mm	60mm	70mm	57.6g
	500mm	65mm	85mm	57.6g
	550mm	75mm	115mm	57.6g

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FLIPUP BLACK PANTHER SERIES SURGICAL LOUPES

Zoomax offers a highly regarded line of 3.5x Galilean flip-up loupes. These are particularly popular because they balance high-end glass optics with extreme adjustability, making them a "safe" investment if you aren't ready for a fixed TTL (Through-The-Lens) system.

Key Features of Zoomax 3.5x Flip-Ups

- **Individually Adjustable IPD: Unlike many flip-ups that move both barrels together, Zoomax allows you to adjust the Interpupillary Distance for each eye independently. This ensures the optics are perfectly centered even if your face is slightly asymmetrical.**

- **High-Grade Coated Glass: They use multi-layered, anti-reflective coated glass which provides "edge-to-edge" clarity. At 3.5x, this is vital to prevent the "fish-eye" blurring common in cheaper Galilean loupes.**

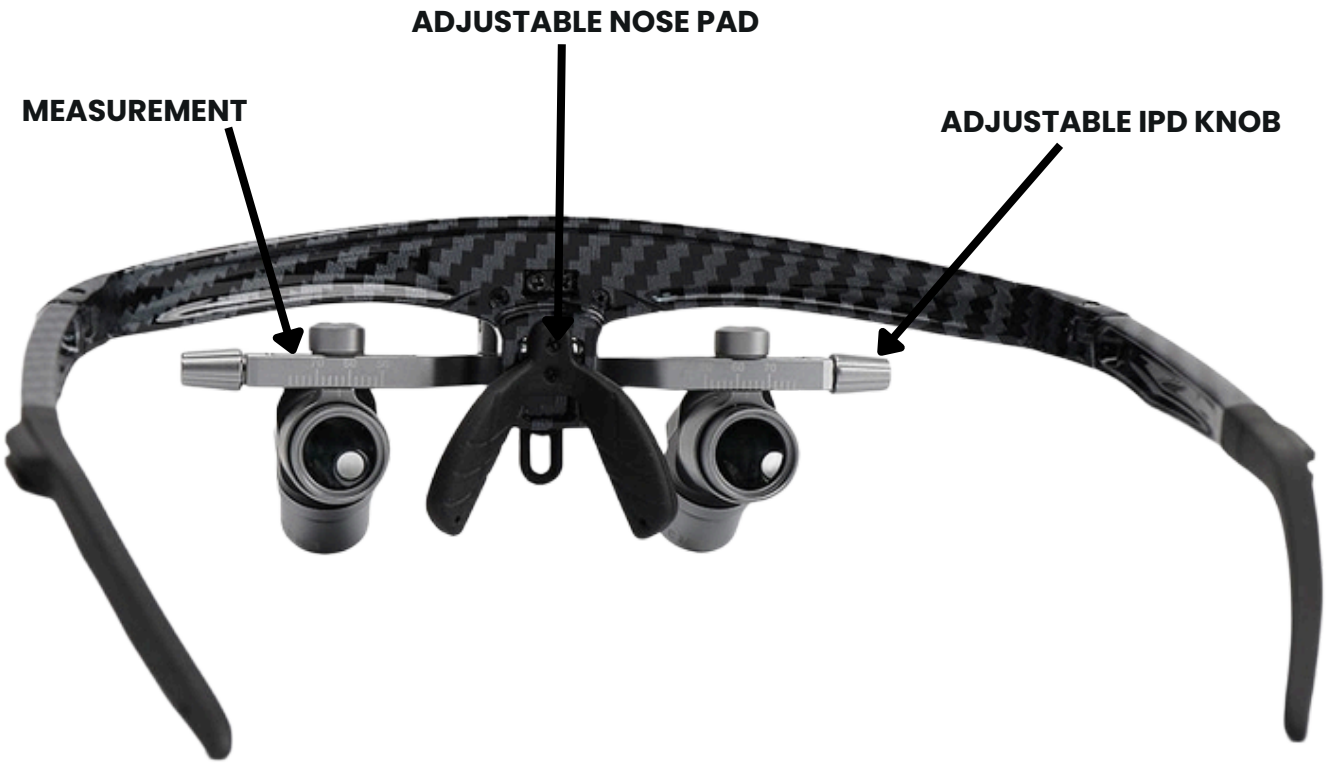
- **Extreme Tilt Angle: The double-hinge design allows for a declination angle of 0° to 40°. This helps you maintain a much straighter neck compared to standard glasses.**

- **Large Field of View: At a 420mm working distance, you get a field of view of approximately 60mm to 70mm, allowing you to see roughly an entire quadrant clearly.**

Why 3.5x for Zoomax?

for general dentistry. It is powerful enough for fine restorative work and identifying hairline fractures, but the Galilean design keeps the barrels short and light. If you were to go higher (4.0x+), Zumax usually switches to a Prismatic (Keplerian) design, which is much heavier and longer.

Note on Maintenance: Zoomax loupes are water-resistant, making them easy to spray and wipe down for infection control, which is a major plus for flip-up hinges that have more "nooks and crannies" than TTL loupes.



3.5X

Working Distance	Field of View	Magnification	Net Weight
Customized	110-150 mm	3.5x	57.8g

COLOURS

Carbon fiber **Matt Black** **Glossy Red** **Royal Blue** **Sparkle Gold** **Moon White**

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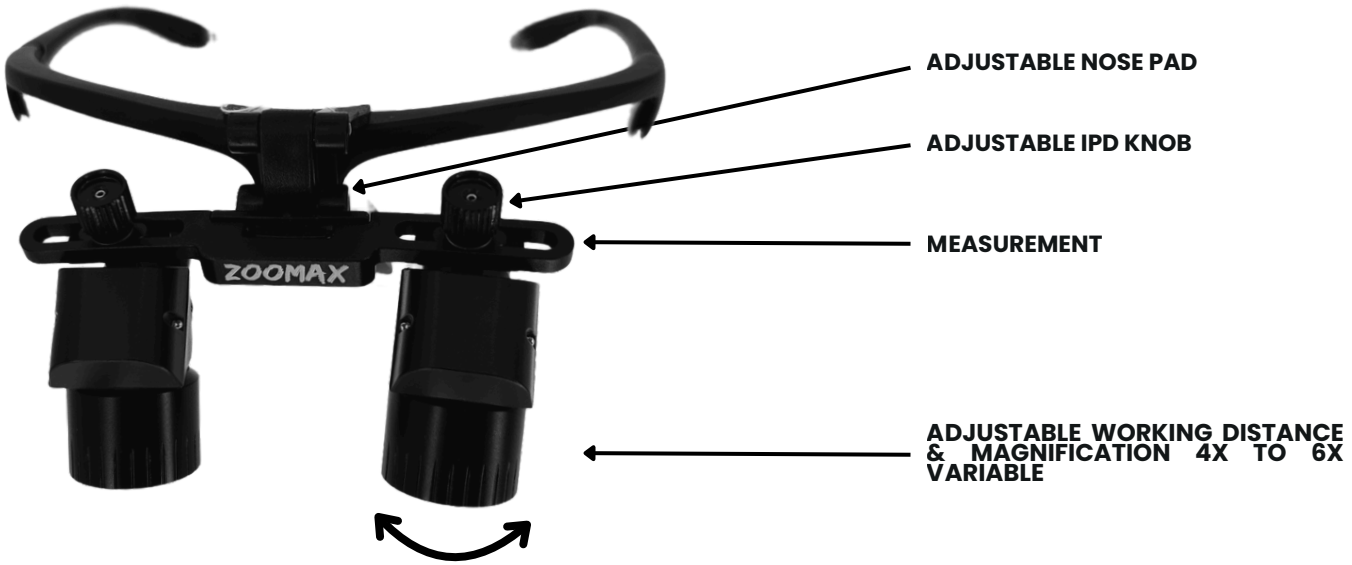
ERGO FLIPUP ZOOM SERIES SURGICAL LOUPES

Zoomax ergo zoom series gives you Adjustable IPD (Interpupillary Distance) , Adjustable working Distance & adjustable magnification up to 4x to 6x variable is a game-changer because it moves away from the "one-size-fits-all" or "fixed forever" model of traditional loupes.
While Ergo loupes fix your posture, adjustable IPD fixes your visual alignment by allowing you to manually set the working distance , magnification and Interpupillary Distance between the two optical barrels to match the exact center of your pupils.



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Ergo Zoom Series 4x to 6x Variable Magnifications in Single Device.

Experience precision like never before with adjustable loupes offering Variable magnifications in a single device 4x to 6x.
Zoomax Ergo Vision : Variable Magnification Loupes
Introducing Zoomax Ergo zoom, ergonomic loupes with adjustable magnification.
The patent-pending Ergo zoom offers three magnifications in a single device—all while maintaining a neutral, strain-free posture.

Feature:
1. Freely Adjust the working Distance , 300mm to 600mm.
2. Glass multi- layer coating from German Technology, Anti- fog, Anti- mildew.
3. Clear Vision and sharp Edges, easy to Observe every Details of the Oral Cavity.
4. 4x to 5x magnification, adjust the wearing as needed.
5. The focal length can be Adjusted independently from left to right to solve the difference of left and right vision.

4X TO6X VARIABLE

Working Distance	Field of View	Depth of Field	Net Weight
Customized	90-70 mm	300 - 600mm	80g

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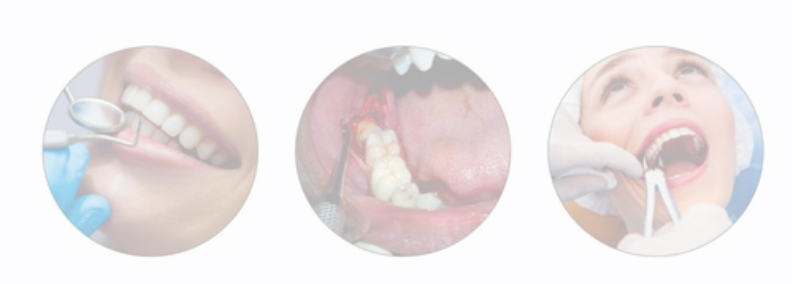
SMART TOUCH PRO WIRELESS HEADLIGHT





MAGNETIC BATTERIES EASY TO OPERATE WIRELESS CHARGING SUPORT 40,000 LUX ILLUMINATAION

1. Bracket Magnetic Attraction
2. 1 Hour Fast Charging
3. Back Magnetic Attraction
4. 650 mAh High-Capacity Batteries
5. Batteries Easy to Connect & quick to replace



POWERFUL & DURABLE FEATURE

1. The Battery can be recharged cyclically
2. Three Battery will come
3. Single Battery Continuously Running for more than 2 hours
4. Adjustable Angle of the Zoomax LED Light

Compatible with any Brands Loupe

ZOOMAX

SMART TOUCH WIRELESS HEADLIGHT





MAGNETIC BATTERIES EASY TO OPERATE

35,000 LUX ILLUMINATION NATURAL DAY LIGHT

1. Bracket Magnetic Attraction
2. 1.5 Hour Fast Charging
3. Back Magnetic Attraction
4. 650 mAh High-Capacity Batteries
5. Batteries Easy to Connect & quick to replace



POWERFUL & DURABLE FEATURE

1. The Battery can be recharged cyclically
2. Battery Level can be Displayed Adjustable Brightness of the Light source
3. Continuously Running for more than 2.5 hours
4. Adjustable Angle of the Zoomax LED Light

Compatible with any Brands Loupe

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