

BH4029 AI SMART TRANSLATION PRESBYOPIC GLASSES

The BH4029 is a premium smart wearable device specially designed by Bihuo Intelligence for senior travelers. These smart glasses integrate real-time translation, noise-canceling calls, and eye protection functions, supporting one-touch bidirectional translation across 120 languages with 48dB deep noise reduction technology to eliminate travel noise. Featuring optional presbyopic lenses and intelligent transition lenses with UV400 protection, they effectively block ultraviolet rays and blue light. The ultra-light 42-gram body combines ergonomic design for comfortable and secure wear. With simple touch controls and voice commands, plus long-lasting battery life for extended trips, they serve as an ideal travel companion for seniors abroad.



100+
Language Translation



48dB Deep Noise
Cancellation



Ergonomic
Design



12m
Stable Connection



UV400
Blue Light Protection



مرحبا
(阿拉伯语)

Здравствуй
(俄语)

您好
(中文)

Hallo
(德语)

Hola
(西班牙语)

Xin chào
(越南语)

Olá
(葡萄牙语)

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(中文)



AI Smart Translation Presbyopic Glasses

Travel-specific optimization, Suitable for the elderly, 100+ Languages Bidirectional Translation

MODEL: BH4029

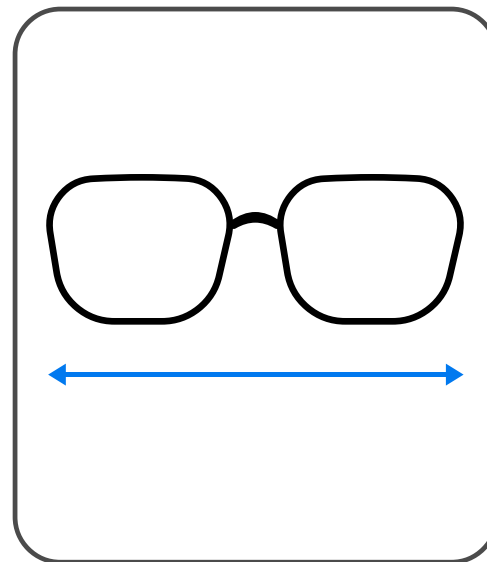
Shenzhen Bihuo Intelligent Information Technology CO., LTD

ADD: 10F, B#2, Piovon Research Building, No. 5158 Shahe West Road, Nanshan, Shenzhen, China 518055

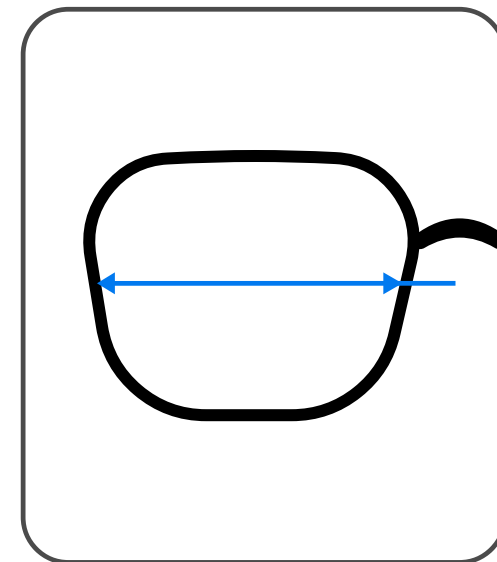
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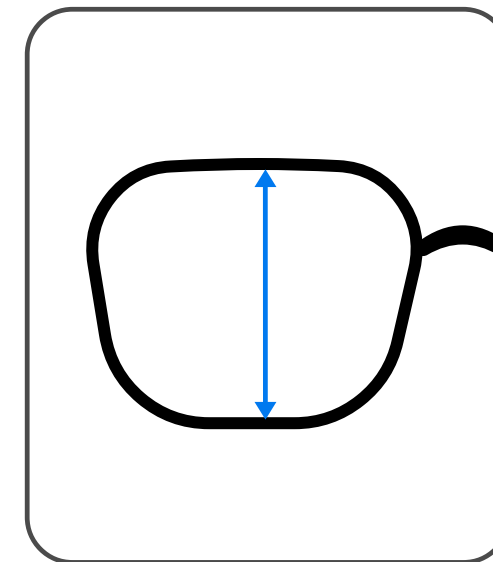
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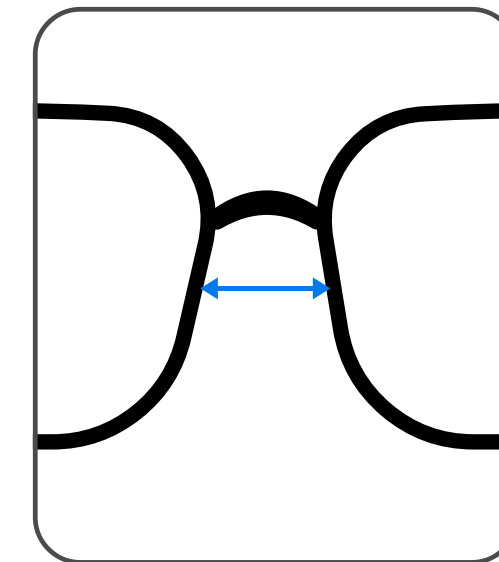
145cm



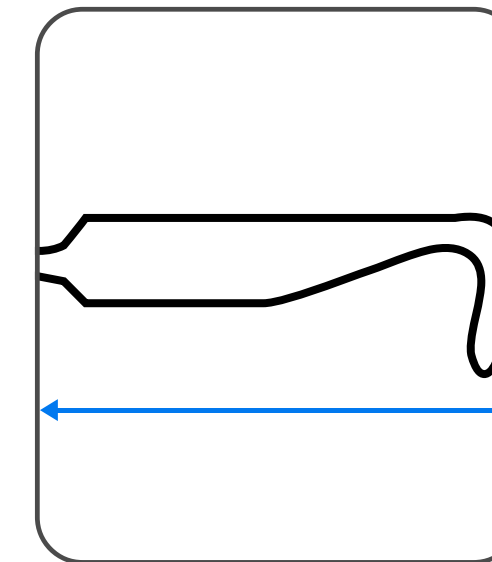
52cm



41cm



16cm



150cm

Size

SPECIFICATIONS

Core Chip & Communication		Power & Battery Life	
Chip Model	AB5632F	Battery Spec	3.7V / 85mAh
Operating Frequency	2.402GHz ~ 2.480GHz	Operating Voltage	3.7V (Range: 3.3V ~ 4.2V)
Reception Distance	≥12 meters	Charging Input	DC 5V ± 0.25V
Transmission Power	CLASS 2 (Max 4dBm)	Charging Time	≤2 hours
Audio Performance		Static Current	≤5μA
Signal-to-Noise Ratio	-85dBV	Operating Current	≤30mA (Higher with volume increase)
THD	<1%	Low Voltage Alert	3.0V
Frequency Response	20Hz ~ 20kHz	Continuous Playback	4 hours (at 80% volume)
Speaker Specifications	Dimensions: 16mm(L)×9mm(W)×2.8mm(H)	Optical Protection	
	Impedance: 8Ω ±15%	Blue Light Filtering	≥40%
	Rated Power: 0.8W	UV Protection	UV400
	Max Short-term Power: 1.2W		
Microphone Parameters			
Mic Sensitivity	-42dB ±3dB		
Material/Weight & Packaging			
Temple Material	PC (Spray Painting)		
Lens Material	Blue Light Blocking PC Lens		
Net Weight (with lenses)	42g		
Color	Black		
Package Contents	Glasses Case, Magnetic Charging Cable, Cleaning Cloth, User Manual		



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SCENARIO 1

Face-to-face

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SCENARIO 2

Cultural And Tourism Applications

Xin chào

(越南语)

Здравствуй

(俄语)

Hallo

(德语)

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