

# BH4028 AI SMART TRANSLATION GLASSES

The BH4028 is an AI smart translation glasses developed by Bihuo Intelligence, equipped with the high-performance AB5632F chip that supports stable 12-meter connections and smooth 2.4GHz transmission. Its professional-grade audio system paired with 15x8x3mm speaker units delivers immersive sound quality. The ultra-light 37g body, blue light blocking/smart transition lenses, and ergonomic design ensure comfortable wear, while the 100mAh battery provides 6 hours of battery life. It features core AI capabilities including real-time interpretation for 100+ languages (with audio/video subtitles), an AI meeting assistant (auto-recording/summarizing, compatible with Zoom/Tencent Meeting), and 48dB deep noise cancellation, facilitating cross-border business, travel, and learning. Smart touch activation, dual-speaker stereo sound, and UV400 protection further enhance the experience, breaking down language barriers and improving communication efficiency....



AI

Meeting Assistant



100+

Languages Bidirectional Translation



48dB

Deep Noise Cancellation



Ergonomic

Design



12m

Stable Connection



UV400

Blue Light Protection



مرحبا (阿拉伯语) Здравствуйте (俄语)

Hallo (德语)

Hola (西班牙语)

您好 (中文)

Xin chào (越南语)

Olá (葡萄牙语)

Здравствуйте (俄语)

Olá (葡萄牙语)

Hallo (德语)

Hola (西班牙语)

Xin chào (越南语)

您好 (中文)



## AI SMART TRANSLATION GLASSES

AI Meeting Assistant, Free Transcription  
100+ Languages Bidirectional Translation

**MODEL: BH4028**

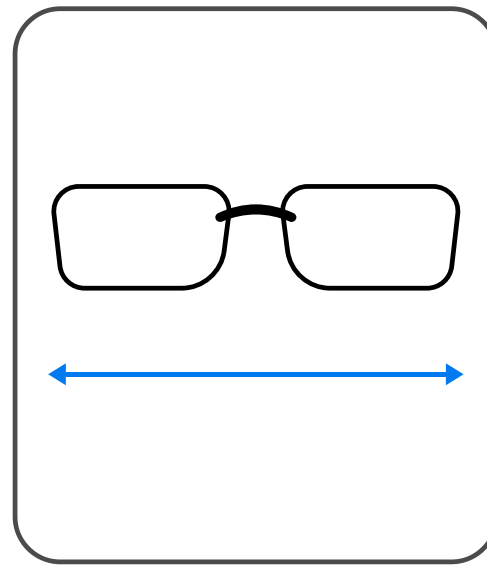
Shenzhen Bihuo Intelligent Information Technology CO., LTD

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

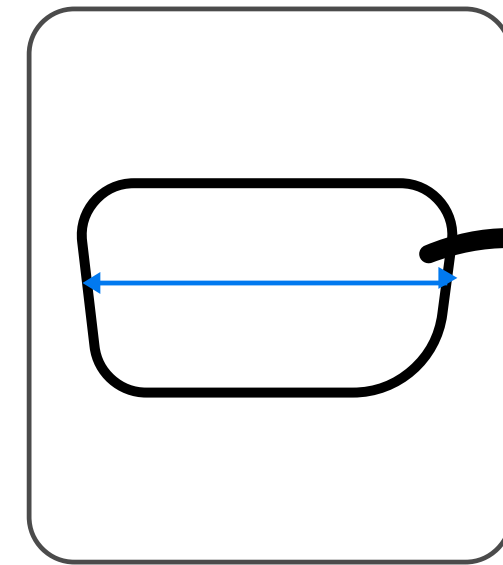
Phone: +86(0755)-61885156 61827963 Fax: +86(0755)-61827963

Web: bihoo.en.alibaba.com FAE: fae@soten.com.cn Skype: sales.soten

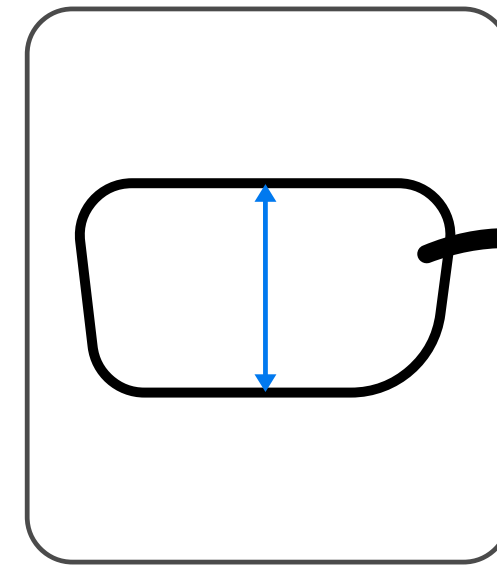
# Appearance



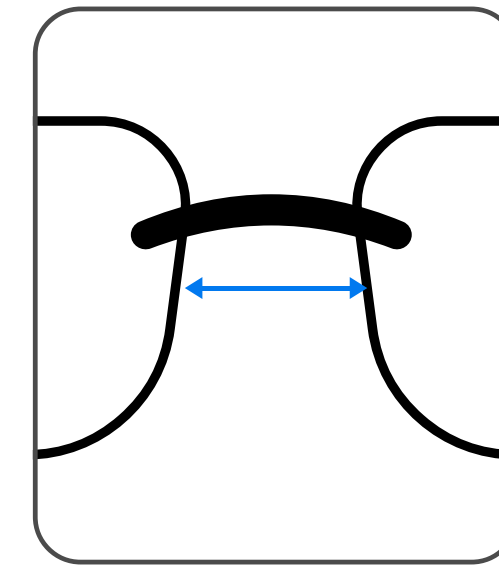
130cm



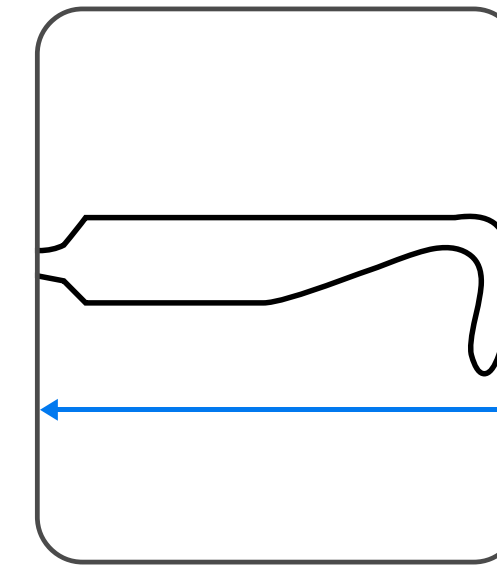
55cm



33cm



16cm



153cm

Size

# SPECIFICATIONS

| Core Chip & Communication   |                                                                                    | Power & Battery Life |                                     |
|-----------------------------|------------------------------------------------------------------------------------|----------------------|-------------------------------------|
| Chip Model                  | AB5632F                                                                            | Battery Spec         | 3.8V / 100mAh                       |
| 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  | 6 hours (at 80% volume)             |
| Speaker Specifications      | Dimensions: 15mm(L)×8mm(W)×3mm(H)                                                  | Optical Protection   |                                     |
|                             | Impedance: 8Ω ±15%                                                                 | Blue Light Filtering | ≥40%                                |
|                             | Rated Power: 0.5W                                                                  | UV Protection        | UV400                               |
|                             | Max Short-term Power: 0.7W                                                         |                      |                                     |
| Microphone Parameters       |                                                                                    |                      |                                     |
| Mic Sensitivity             | -42dB ±3dB                                                                         |                      |                                     |
| Material/Weight & Packaging |                                                                                    |                      |                                     |
| Temple Material             | High-strength PC (Polycarbonate)                                                   |                      |                                     |
| Lens Material               | Blue Light Blocking PC Lens                                                        |                      |                                     |
| Net Weight (with lenses)    | 37g                                                                                |                      |                                     |
| Color                       | Gradient Gray                                                                      |                      |                                     |
| Package Contents            | Glasses Case, Magnetic charging cable, Carrying Pouch, Cleaning Cloth, User Manual |                      |                                     |



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# SCENARIO 1

## Ai Conference Assistant



WhatsApp



Skype



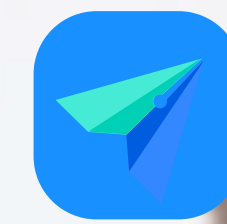
Facebook



Google Meet



ZOOM



Telegram



Signal

Xin chào

(越南语)

Здравствуй

(俄语)

مرحبا

(阿拉伯语)

Hallo

(德语)

Olá

(葡萄牙语)

Hola

(西班牙语)

您好

(中文)



# SCENARIO 2



مرحبا  
(阿拉伯语)

Здравствуй  
(俄语)

Face-to-face

Hallo  
(德语)

Hola  
(西班牙语)

您好  
(中文)

Xin chào  
(越南语)

Olá  
(葡萄牙语)



# SCENARIO 3

## Training / Presentation

Xin chào

(越南语)

Здравствуй

(俄语)

Hallo

(德语)

مرحبا

(阿拉伯语)

Olá

(葡萄牙语)

Hola

(西班牙语)

您好

(中文)



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# SCENARIO 4

## Cultural And Tourism Applications

Xin

Здравствуй  
(俄语)

Hallo  
(德语)

مرحبا  
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Olá  
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(西班牙语)

您好  
(中文)



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# SCENARIO 5

Healthcare

Xin chào

(越南语)

Здравствуй

(俄语)

مرحبا

(阿拉伯语)

Hallo

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