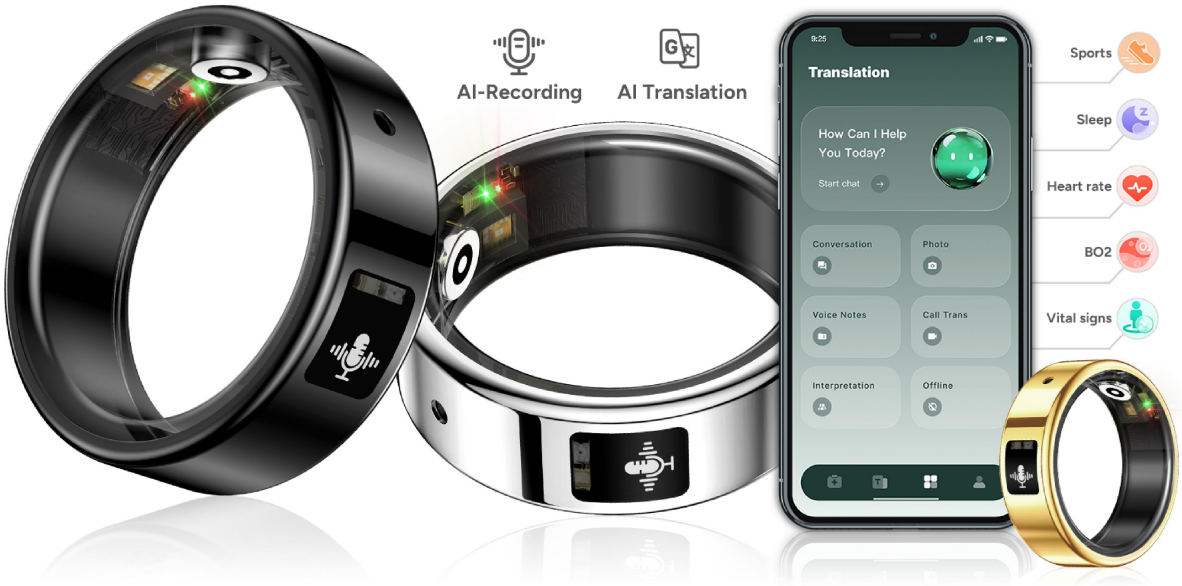
Shenzhen N+1 Intelligent Technology Co. Ltd.
5/F No.61, Liuxian 2nd Rd, Xin'an Ave, Bao'an District, Shenzhen
Tel.: +86 18138870912 Contact Person: EstherYu
E-mail: EstherYu@SmartWatch-N.com Web:www.Smartwatch-N.com

NHD01 AI-Powered Smart Recording Ring



Product Specifications

Water Resistance	IP68 Waterproof
Material	304 Stainless Steel with Epoxy Resin Encapsulation
Dimensions	#7 (Φ17.4mm, circumference 54.66mm) #8 (Φ18.2mm, circumference 57.18mm) #9 (Φ19.0mm, circumference 59.70mm) #10 (Φ19.9mm, circumference 62.52mm) #11 (Φ20.7mm, circumference 65.03mm) #12 (Φ21.5mm, circumference 67.55mm) #13 (Φ22.3mm, circumference 70.06mm) Thickness: 2.5mm
Weight	Approx. 4.0g
Color	Gold, Black, Silver
Chip	Bluetrum (Zhongke Lanxun) AB2056D
Memory	1024K ROM, 64KB + 8K RAM, 64M Flash
G-Sensor	SC7A20HTR
Audio Processing	NDP 12x
Microphone	MEMS LMA2718
Touch Method	Single-point touch (AM-DF6D)
Recording Duration	2 hours
AI	Tongyi Qianwen + GPT
BT (Bluetooth)	5.4
A-GPS	Yes
Heart Rate Sensor	HRS3918H 50Hz
Battery	18mAh (Sizes #7–9) / 22mAh (Sizes #10–13) stacked battery (with over-discharge/overcharge protection)
Operating Temperature	0–50°C
Charging Management Circuit	AB2056D with integrated charging management PMU; configurable charging current (5–300mA); includes reverse-polarity charging protection
Charging Time	2 hours
Standby Time	7–10 days
Usage Time	4–5 days
Charging	Standard magnetic charging; optional charging case available
App	LoraFit (Android 9.0+; iOS 10.0+)

Function

AI Recording	Start recording with a simple touch—making the process more natural and efficient.
AI Translation	Connect the ring to the mobile app, open the translation interface, and long-press the ring to initiate translation.
Vital Signs	Monitor heart rate and blood oxygen trends in real-time, with data visualized through clear, intuitive curves.

Short Video Control	Compatible with major short-video platforms; swipe through videos with a single or double tap on the ring.
Sports Modes	Track, display, and manage data for 5 distinct types of physical activities.
Step Counting	Accurately count steps and record daily activity levels and calorie expenditure.
Heart Rate	Heart rate testing, all-day dynamic heart rate tracking, data analysis, trends over the last 7 sessions, and historical heart rate data.
Sleep	Sleep quality reporting, including deep sleep, light sleep, and wakefulness.
Blood Oxygen	Blood oxygen testing, data from the last 7 sessions, trends over the last 7 sessions, and historical blood oxygen data.
Apple Health	Supported.
OTA	Supports FOTA (Firmware Over-the-Air) updates.
App Language	Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Vietnamese, Malay, Indonesian, Hindi, English, French, German, Italian, Russian, Portuguese, Turkish, Hungarian, Dutch, Danish, Greek, Spanish, Polish, Finnish, Czech, Croatian, Swedish, Hebrew, Persian, Arabic.
Package	
Packaging Box	L80*W80*H28mm / 60g / PCS
Carton	40*28*34cm / 13KG / 200PCS / CTN