

DIGITAL HUMAN AVATAR PLATFORM

Dihuava

Intelligent · Immersive · 100% Local AI

Zero Cloud Dependency · GDPR Compliant · Full Offline Operation · Multilingual

100% **5,000** **67+** **32+**

ON-DEVICE AI DAILY INTERACTIONS VOICE PROFILES LANGUAGES

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数字人虚拟形象平台

Dihuava

智能 · 沉浸式 · 100%本地化

零云依赖、符合 GDPR 标准的完全离线多语言运行

100%

5,000

67+

32+

设备内置的每日交互语音配置文件语言

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What is Dihuava?

Dihuava

The AI-Powered Digital Human Avatar Platform by HS Global AI

OVERVIEW

A New Era of Human-AI Interaction

Dihuava is a fully self-contained, enterprise-graded digital human avatar platform developed by HS Global AI. It powers lifelike AI assistants on interactive display systems—kiosks, holographic screens, and smart panels—enabling businesses to deploy intelligent, conversational digital humans that operate with zero cloud dependency, ensuring uncompromised performance, privacy, and reliability.

100% Local AI—Your Data Never Leaves the Device

Unlike cloud-dependent solutions, Dihuava processes every voice input, language query, and AI response entirely on the local device. No audio, text, or personal interaction data is transmitted to any external server—making it the ideal choice for regulated industries and privacy-conscious organizations.



Life like Digital Avatars

Photo realistic digital humans powered by advanced AI that can **listen**, understand context, and respond naturally—with multiple persona options including Retail, Healthcare, and Corporate avatars. Custom avatar uploads are also supported.



Real-Time Voice Interaction

Built-in speech recognition converts spoken language to text on-device in real time. Voice Activity Detection (VAD) intelligently filters ambient noise, ensuring accurate hearing in offices, retail floors, and outdoor public spaces.



On-Device Language Model

A fully local Large Language Model (LLM) understands natural language, processes complex queries, and generates contextually rich responses—entirely offline. No internet required for conversation generation.



RAG Knowledge Base

Upload your business documents (PDF, TXT, CSV, MD) directly into Dihuava's Retrieval-Augmented Generation (RAG) engine. The avatar can answer queries grounded in your own knowledge base—all processed locally.

Core Platform Capabilities at a Glance

- ➔ Fully offline AI speech recognition
- ➔ Multi-environment VAD configuration
- ➔ Product catalog with AI vocabulary
- ➔ Real-time system health monitoring
- ➔ Upto 5,000 daily interactions
- ➔ Offline mode for air-gapped deployments
- ➔ 67+ cached voice synthesis profiles
- ➔ Custom persona & avatar support
- ➔ **Multilingual:** English, Chinese, Spanish and 29+ More Languages
- ➔ License-based device activation
- ➔ 10 concurrent session support
- ➔ Gender-selectable avatar presentation

什么是Dihuava?

Dihuava

由 HS Global AI 打造的 AI 驱动型数字人虚拟化身平台

概述

人类与人工智能互动的新时代

Dihuava是由HS Global AI开发的完全独立、面向企业级应用的数字人虚拟形象平台。该平台可为交互式显示系统 — 自助服务终端、全息屏幕及智能面板——提供逼真的AI助手支持，使企业能够部署无需依赖云端即可运行的智能对话型数字人，确保性能、隐私与可靠性均不受影响。

100%本地存储——您的数据始终保留在设备上

与依赖云端的解决方案不同，Dihuava能够完全在本地设备上处理所有语音输入、语言查询及人工智能响应。没有任何音频、文本或个人交互数据被传输至外部服务器，使其成为受监管行业及注重隐私保护机构的理想选择。



如同数字化身般的生活

由先进AI驱动的逼真写实数字人，具备聆听能力、情境理解及自然响应功能，并提供多种角色选项零售、医疗保健及企业虚拟形象。可定制也支持上传头像。



设备内置语言模型

一个完全本地化的大型语言模型（LLM）能够理解自然语言、处理复杂查询，并生成内容丰富的上下文响应——全程无需联网。会话生成。



实时语音交互

内置语音识别功能可实时将语音内容转换为设备端文本。语音活动检测（VAD）能智能过滤环境噪音，确保在办公室、零售场所及户外公共空间都能实现精准识别。



RAG知识库

将您的业务文档（PDF、TXT、CSV、MD格式）直接上传至Dihuava的检索增强生成（RAG）引擎。智能助手可基于您自身的知识库回答查询问题——所有处理均在本地完成。

核心平台功能概览

- 完全离线的AI语音识别系统，支持多环境 VAD 配置；产品目录包含AI专用词汇库
- 实时系统健康监测，每日处理高达5,000次交互
- 无接触部署的离线模式

67+缓存语音合成配置文件；支持自

定义角色与头像

多语言支持：英语、中文、西班牙语及另外 29 种以上语言

基于许可证的设备激活

支持10个并发会话

可按性别选择的虚拟形象展示

SUPPORTED LANGUAGES

32+ Offline Languages | Local TTS | No Internet Required

Dihuava supports multilingual AI conversations with fully offline speech synthesis and language processing. All voice generation runs locally on-device, ensuring maximum privacy, security, and uninterrupted operation.



PREMIUM

VOICES

● English
(en)

• Spanish
(es)

• Chinese Mandarin
(zh)



SUPPORTED OFFLINE LANGUAGES

ASIAN

LANGUAGES

Hindi (hi) · Japanese (ja) · Korean (ko) · Chinese Mandarin (zh)
Indonesian (id) · Vietnamese (vi)

EUROPEAN

LANGUAGES

French (fr) · German (de) · Italian (it) · Portuguese (pt) · Russian (ru)
Dutch (nl) · Danish (da) · Finnish (fi) · Swedish (sv) · Polish (pl)
Czech (cs) · Slovak (sk) · Slovenian (sl)

ADDITIONAL

EUROPEAN

LANGUAGES

Croatian (hr) · Romanian (ro) · Hungarian (hu) · Bulgarian (bg)
Greek (el) · Estonian (et) · Latvian (lv) · Lithuanian (lt)
Ukrainian (uk)

MIDDLE EASTERN

LANGUAGES

Arabic (ar) · Turkish (tr)



KEY

BENEFITS

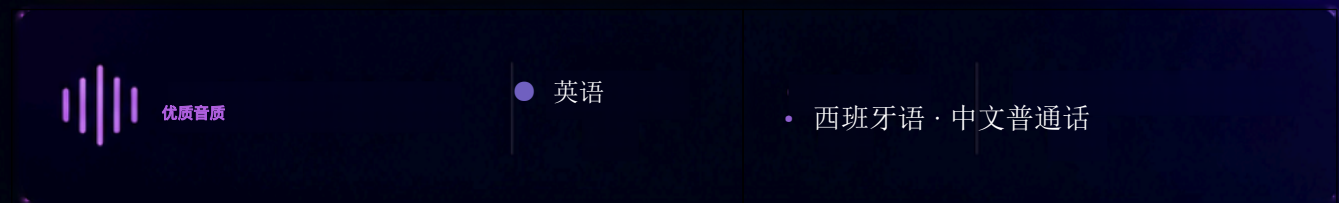
- ✓ Fully Offline Operation
- ✓ On-Premise Deployment
- ✓ Real-Time Conversations
- ✓ No Internet Dependency
- ✓ Enterprise Security
- ✓ Multi-Language Support

32+ LANGUAGES · OFFLINE AI · ENTERPRISE READY

支持语言

32种以上离线语言 | 本地 TTS | 无需互联网连接

Dihuava支持多语言阿尔法语音对话，具备完全离线的语音合成与语言处理功能。所有语音生成均在设备本地运行，确保最高级别的隐私保护、安全性和无缝操作体验。



支持的离线语言

亚洲人；亚洲裔语言

印地语 · 日语 · 韩语 · 印尼语 · 越南语

中文普通话

欧洲的；欧洲的语言

法语 · 德语 · 意大利语 · 葡萄牙语 · 荷兰语 · 丹麦语 · 芬兰语 · 俄语 · 波兰语 · 瑞典语 · 捷克语 · 斯洛伐克语 · 斯洛文尼亚语

其他欧洲语言

克罗地亚语 · 罗马尼亚语 · 匈牙利语 · 保加利亚语

希腊语 · 爱沙尼亚语拉 · 脱维亚语 · 立陶宛语 · 乌克兰语

中东语言

阿拉伯语 · 土耳其语



KEY BENEFITS

✓ 完全离线操作 ✓ 实时对

✓ 本地部署

✓ 无互联网依赖 ✓ 多语言

话 ✓ 企业安全

支持

支持 32 种以上语言 · 离线 AI · 企业级适用

Data Privacy & Compliance

100% On-Device Processing · Zero Cloud · GDPR-Ready Architecture

Your Data Never Leaves the Device



Dihuava is built from the ground up with a privacy-first, offline-first architecture. Every AI model—language understanding, speech recognition, voice synthesis, and semantic search—runs entirely on local hardware. No conversation data, voice recordings, or user interactions are transmitted to HS Global AI servers or any third-party cloud platform.

GDPR Compliant

PDPA Ready

HIPAA Friendly

Air-Gap Deployable

Data Residency

Zero Telemetry



GDPR Compliance

All personal voice and interaction data is processed and retained exclusively on the local device. No data transfer to third-party servers—satisfying GDPR's data minimization and storage limitation principles.



Healthcare & HIPAA

Patient interactions remain on-premises. No Protected Health Information (PHI) traverses public networks, making Dihuava suitable for hospital lobbies, clinic receptions, and patient guidance kiosks.

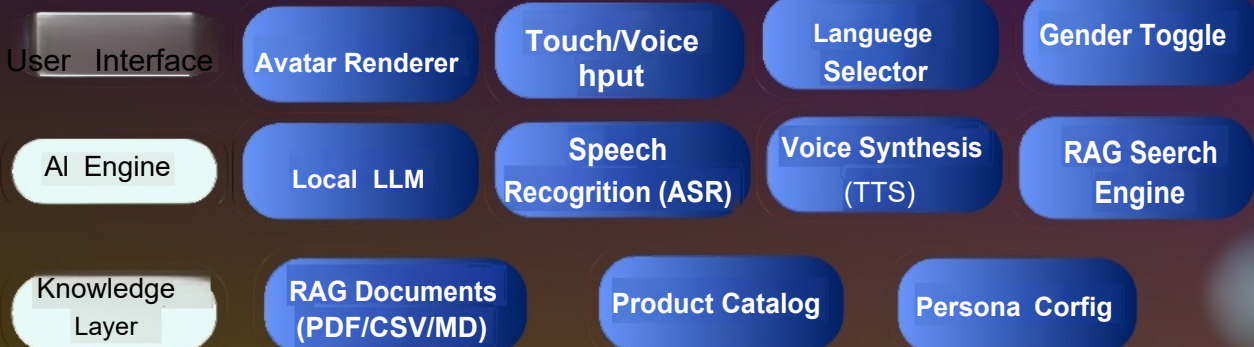


Banking & Finance

Financial institutions can deploy Dihuava with confidence that sensitive customer conversations, account inquiries, and advisory sessions remain within their secure perimeter.

ARCHITECTURE

Dihuava —On-Device AI Architecture



⚡ Air-Gap & Offline Mode

Dihuava supports fully air-gapped deployments—no internet connection is required at any stage of operation. Models are distributed via OneDrive/SharePoint during initial setup, then run autonomously on-device indefinitely. **This makes it suitable for** government facilities, secure financial offices, and high-security healthcare environments.

数据隐私与合规性

100%基于设备端的 Processing·Zero Cloud·GDPR-Ready 架构

您的数据永远不会离开设备



Dihuava从零开始构建，采用以隐私保护和离线处理为核心的设计架构。所有AI模型——包括语言理解、语音识别、语音合成及语义搜索——均完全在本地硬件上运行。所有对话数据、语音录音及用户交互记录均不会传输至HS Global AI服务器或任何第三方云平台。

GDPR 符合标准、PDPA 就绪、HIPAA友好、可部署且具备空气隔离功能

数据驻留地

零遥测数据



GDPR 合规性

所有个人语音及交互数据均仅在本地设备上进行处理和存储，不会传输至第三方服务器。——符合 GDPR 的数据最小化与存储限制原则。



医疗与 HIPAA：患者交互仍保持在本地化环境中。无受保护健康信息 (PHI) 跨越公共网络传输，因此Dihuava非常适合用于医院大厅、诊所接待处及患者咨询终端。



银行业与金融
金融机构可放心部署Dihuava系统，确保客户的敏感对话、账户查询及咨询环节均处于其安全防护范围内。

架构

迪胡阿瓦——基于设备的架构



空气隔离与离线模式

Dihuava完全支持无网络连接部署——在运行的任何阶段均无需互联网连接。模型在初始配置阶段通过OneDrive/SharePoint分发，随后可在设备上持续自主运行。这使其非常适合政府机构、安全金融部门及高安全性的医疗环境。

Software Features

Environment Configuration · Persona Management · Knowledge Base

ENVIRONMENT SETTINGS

Adaptive VAD Sensitivity Profiles

Dihuava's Voice Activity Detection (VAD) system dynamically adapts to the deployment environment. Administrators select a profile that matches the acoustic conditions of their location —ensuring consistent, accurate voice capture whether indoors or outdoors.

<p>Indoor Patient</p> <div style="display: flex; justify-content: space-around;"> <div style="background-color: #4CAF50; color: white; border-radius: 10px; padding: 2px 10px;">INDOOR</div> <div style="background-color: #4CAF50; color: white; border-radius: 10px; padding: 2px 10px;">ACTIVE</div> </div> <p>Optimized for offices and homes. Designed for natural conversations with longer pauses —ideal for patient and deliberate dialogue styles.</p>	<p>Indoor Responsive</p> <div style="background-color: #4CAF50; color: white; border-radius: 10px; padding: 2px 10px; margin: 0 auto;">INDOOR</div> <p>Tuned for meeting rooms and quick-service environments. Enables fast back-and-forth exchanges with minimal latency between utterances.</p>	<p>Outdoor Patient</p> <div style="background-color: #4CAF50; color: white; border-radius: 10px; padding: 2px 10px; margin: 0 auto;">OUTDOOR</div> <p>Built for public spaces and high-noise environments. Tolerates ambient noise and natural interruptions—robust performance in shopping centres and transport hubs.</p>
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PERSONA MANAGEMENT

Customisable AI Assistant Personalities

Dihuava ships with multiple pre-configured persona profiles, each purpose-built for a different deployment context. Organizations can also upload entirely custom avatar packages—enabling a fully branded digital human presence.



Retail Sales Assistant

A friendly and knowledgeable assistant for retail environments. Greets shoppers, answers product queries, promotes offers, and guides customers through purchase decisions using the active product catalog.



Healthcare Assistant

A professional, calm, and authoritative persona tailored for healthcare settings. Provides patient direction, appointment guidance, and multilingual explanations in clinic and hospital environments.



Corporate Helpful Assistant

A polished assistant designed for corporate office environments. Manages visitor reception, HR enquiries, executive presence, and internal communications with a professional demeanor.



Upload Custom Avatar

Organizations can supply a signed avatar ZIP package to deploy an entirely custom digital human — enabling brand-specific personas, executive hologram representations, or industry-specific characters.

软件功能

环境配置·角色管理·数据库

环境设置

自适应 VAD 灵敏度曲线

Dihuava的语音活动检测（VAD）系统能动态适应部署环境。管理员可选择与所在地点声学条件匹配的配置文件——无论室内或室外环境，均能确保稳定且精准的语音采集效果。

室内耐心模式

INDOOR

ACTIME

专为办公室和家庭环境优化设计，支持较长停顿的自然对话，非常适合耐心、从容的交流方式。

室内响应模式

INDOOR

专为会议室和快速服务场景设计，支持发言间以极低延迟实现快速双向交流。

户外耐心模式

OUTDOOR

专为公共空间及高噪音环境设计，能够有效应对环境噪声与自然干扰，在购物中心和交通枢纽等场所均表现出卓越性能。

人员管理

可定制的 AI 助手个性设定

Dihuava预置了多种预配置角色档案，每种均专为不同的应用场景量身打造。企业还可上传完全自定义的虚拟形象包，从而实现具有完整品牌标识的数字人形象。



零售销售助理

一位友善且知识渊博的零售环境助理。负责向顾客问好、解答产品疑问、推广优惠活动，并利用动态产品目录指导客户做出购买决策。



医疗助理

专为医疗环境量身打造的专业、沉稳且权威的形象。在诊所及医院环境中提供患者指导、预约协助以及多语言解释服务。



企业辅助助手

一款专为企业办公环境设计的精致办公助手，能够以专业态度处理访客接待、人力资源咨询、高管出勤管理及内部沟通事务。



上传自定义头像

企业可提供已签名的虚拟形象ZIP文件包，用于部署完全定制化的数字人，从而实现品牌专属角色、高管全息影像或行业特定角色的呈现。


Custom Avatars

Dihuava Digital Human

Your Brand. Your Avatar. Your Customer Experience.

Custom Avatars let any business put their own branded digital human on screen -a realistic, talking AI presenter that greets customers, answers questions, and showcases products by voice.

Upload once, go live in minutes-speaking naturally, showing products, and handling real customer conversations in 32+ languages.



Go from zero to a working branded assistant the same day.
No coding. No technical setup.

Hello!
How can I help you today?
| | | .

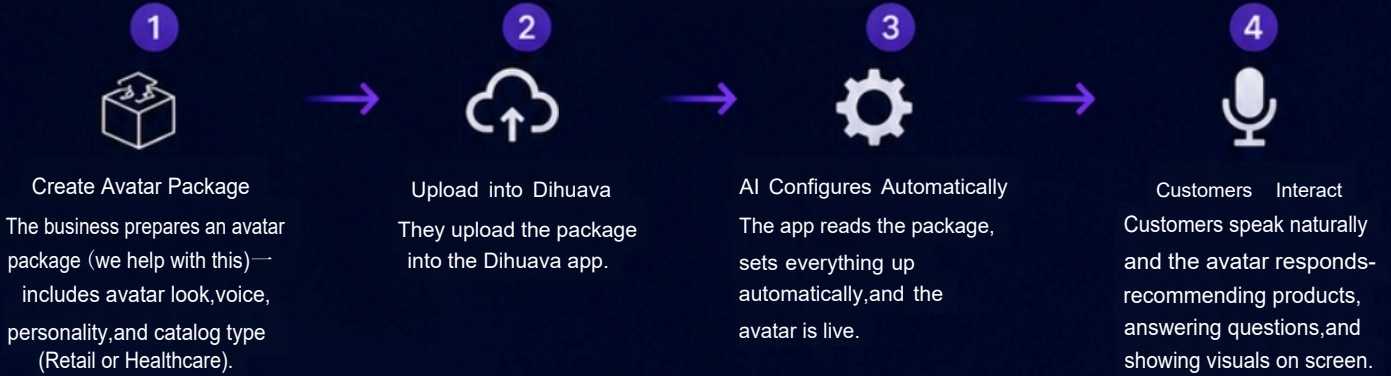
I recommend this product for you.
| | | ...

-  Product Knowledge AI
-  Multi-Currency Support
-  Offline Ready
-  Retail & Healthcare Ready
-  Plug & Pay Deployment
-  Brand Customization


 32+ Languages

Arabic (ar), Bulgarian (bg), Croatian (hr), Czech (cs), Danish (da), Dutch (nl), English (en), Estonian (et), Finnish (fi), French (fr), German (de), Greek (el), Hindi (hi), Hungarian (hu), Indonesian (id), Italian (it), Japanese (ja), Korean (ko), Latvian (lv), Lithuanian (lt), Polish (pl), Portuguese (pt), Romanian (ro), Russian (ru), Slovak (sk), Slovenian (sl), Spanish (es), Swedish (sv), Turkish (tr), Ukrainian (uk), Vietnamese (vi), Chinese (zh), Spanish (es).


How it Works (Simple)




Great Use Cases




Retail Showrooms
A digital sales assistant that recommends jewelry, clothing, or electronics by occasion and budget.




Healthcare Clinics
A concierge that helps patients find the right service or doctor and explains visit preparation.



Events & Kiosks
A branded presenter that engages visitors and answers FAQs hands-free.



Corporate Reception
Professional visitor guidance, information support, and multilingual assistance for enterprises.



Multi-Location Brands
The same avatar and catalog deployed across many stores, consistent everywhere.

“ Transform Static Catalogs Into Living Digital Sales Experiences.

The client uploads their brand once, and Dihuava handles the rest— voice, visuals, languages, and accurate product knowledge.

It's the difference between a website and a knowledgeable salesperson who never takes a break.



Launch Your Own AI Digital Human

Upload. Configure. Engage. Grow.

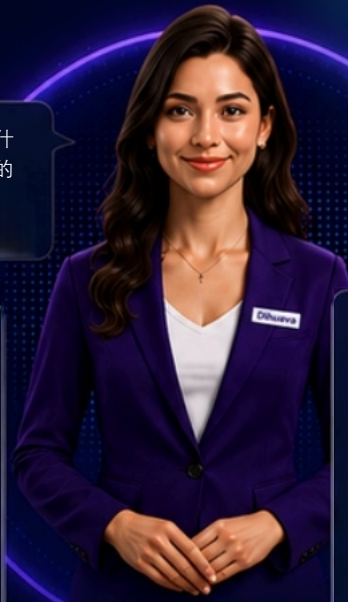
自定义虚拟形象

Dihuava数字人

您的品牌。您的形象代表。您的客户体验。

定制虚拟形象可让任何企业将专属品牌数字人呈现在屏幕上——逼真度极高。这款智能语音助手能够通过语音向顾客问好、解答疑问并展示产品。

只需一次上传，几分钟内即可上线运行——自然流畅地进行语音播报、展示产品，并支持32种以上语言的实时客户对话处理。



您好！今天有什么可以帮您的吗？

我推荐您使用

这款产品。||

1| ...

产品知识

穆尔夫-姜黄支持

飞行准备就绪

适用于视网膜及医疗护理领域

插电支付付款

品牌定制

32种以上语言

阿拉伯语 (ar)、保加利亚语 (bg)、克罗地亚语 (hr)、捷克语 (cs)、丹麦语 (da)、荷兰语 (nl)、英语 (en)、爱沙尼亚语 (et)、芬兰语 (fi)、法语 (fr)、德语 (de)、希腊语 (el)、印地语 (hi)、匈牙利语 (hu)、印度尼西亚语 (id)、意大利语 (it)、日语 (ja)、韩语 (ko)、拉脱维亚语 (lv)、立陶宛语 (lt)、波兰语 (pl)、葡萄牙语 (pt)、罗马尼亚语 (ro)、俄语 (ru)、斯洛伐克语 (sk)、斯洛文尼亚语 (sl)、西班牙语 (es)、瑞典语 (sv)、土耳其语 (tr)、乌克兰语 (uk)、越南语 (vi)、中文 (zh)、西班牙语 (es)。



从零开始，逐步使其具备正常运行能力。

当天就推出了品牌化助手服务。

无需编程。无需技术设置。

其工作原理（简明说明）：

1



创建头像包

该企业正在准备一个虚拟形象安装包（我们提供协助）— 包括头像样式、语音设置等。个性特征，以及产品类别（零售或医疗保健）。

2



上传至 Dihuava
他们将包裹上传至 Dihuava 应用程序。

3



AI 自动完成配置：应用程序会读取软件包内容，自动完成所有设置，并实时显示虚拟形象。

4



客户互动：客户以自然方式发言，虚拟形象便会响应——推荐产品、解答问题并在屏幕上展示视觉内容。

出色的使用场景



零售展厅

一款根据使用场景推荐珠宝、服装或电子产品的数字销售助手以及预算。



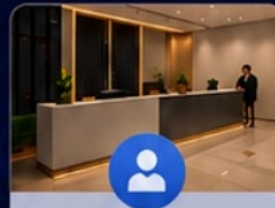
医疗诊所

一位提供帮助的礼宾服务人员患者能够找到合适的服务。或咨询医生并说明就诊原因准备。



活动与信息亭

一位具有品牌影响力的演讲者；能够吸引游客并……
answers FAQs
免提。



企业接待服务

为企业提供专业人员指导、信息支持及多语言协助服务。



多地品牌

同一套虚拟形象与商品目录在多家门店统一部署，确保各处呈现一致效果。

“ 将静态产品目录转化为生动的数字化销售体验。

客户只需上传品牌信息，Dihuava 便会负责处理其余 — 视觉设计、语言版本及精准的产品知识。这就像网站与一位不知疲倦、知识渊博的销售员之间的区别。



创建您自己的 AI 数字人

上传。配置。互动。成长。

Software Features

Environment Configuration · Persona Management · Knowledge Base

AD BANNER

Digital Human Ad Banner

The Ad Banner turns the screen into a rotating promotional display **whenever the avatar is idle and waiting for a customer. Instead of a blank or static screen between conversations, the business shows its own ads, offers, and announcements—like built-in digital signage.**



What the customer can show



Up to 10 images or videos in a rotating slideshow



Each slide has a headline+short message (e.g. "Festive Sale — Up to 40% Off", "New Arrivals This Week")



Slides auto-rotate on a timer the business controls (default every 8 seconds)



Turn the whole banner on or off anytime

How it works (simple version)

1

The business opens the Ad Banner settings in the app.



2



Uploads their promo images or videos and types a headline + message for each.



3



Sets how fast slides **rotate**, and switches it on.



Everything is stored on the device—no internet needed to display ads, and no technical setup.

Why it matters for sales



Free advertising space every idle moment becomes a marketing opportunity, right at the point of sale.



Always current staff can swap promos in seconds for sales, festivals, or new stock.



Zero extra hardware uses the same screen the avatar already runs on.



Drives engagement eye-catching offers pull customers in to start a conversation with the avatar.

Selling points (one-liners)

"Turn your idle screen into a 24/7 promo board."

"Update your in-store ads in seconds — no designer, no IT."

"Advertise and assist on one screen: ads when idle, AI salesperson when engaged."

Great use cases



Retail—flash sales, new collections, loyalty offers



Clinics—health camps, vaccination drives, new services



Events/kiosks—sponsor logos, schedules, announcements

软件功能

环境配置·角色管理·数据库

广告横幅

数字人广告横幅

广告横幅可将屏幕变成旋转式宣传展示界面

当虚拟形象处于空闲状态并等待客户时，系统不会在对话间隙显示空白或静态画面，而是像内置数字标牌一样，展示企业自身的广告、优惠活动及公告。



客户可以展示的内容



最多可上传10张图片
或视频
在旋转式幻灯片中



每张幻灯片均包含标题及
简短说明（例如“节日特
卖 — 最高享8折优惠”、
“本周新品上市”）。



幻灯片在定时器上
自动旋转
业务控制（默认每8
秒执行一次）



将整个部分旋转过
来。
横幅开启或关闭
任何时候

其工作原理（简化版）

1

该功能会在应用中打开
广告横幅设置。



2

上传宣传图片或视频，
并为每项内容填写标题
和文字说明。



3

设置幻灯片的旋转
速度并启用该功能。



所有数据均存储于设备内部——无需联网即可展示广告，也无需任何技术配置。

这对销售工作为何如此重要？



每个空闲时段的免费广告
位都成为销售点上的营销
机遇。



现有员工可随时在数秒
内将促销内容更换为销售
活动、节日优惠或新品信
息。



无需额外硬件，即可
使用同一屏幕
该头像已处于运行
状态。



引人注目的优惠方
案能激发用户参与
度，吸引顾客与虚拟
形象展开对话。

卖点（简短语句）

将闲置屏幕变成全天候使用的宣传展示板。一
无需设计师或IT团队，仅需数秒即可更新店内广
告。

在同一屏幕上进行宣传与提供协助：
空闲时显示广告；工作时显示阿尔销售员。

优秀的使用场景



零售——限时促销、新品系列、忠诚
度优惠



诊所——健康营、疫苗接种活动、新服务
项目



活动/信息亭赞助商标志；
日程安排、公告

All Product Catalog: Smart Visual Selling — Powered by On-Device AI

How It Works

Dihuava's AI Product Catalog turns a simple CSV file into an intelligent, visual sales experience. When a customer asks about a product:

- The digital human instantly recommends the best match
- Displays real photos and videos on screen
- Speaks about only what's being shown
- Creating a seamless audio visual selling experience.
- Everything runs 100% on-device.

How It Works: 3 Simple Steps

Upload

Drop a CSV file + product images/videos in the product catalog system

Meta Data Creation

Dihuava auto-generates vocabulary, translations, search index & product database

Customer Interaction

Customer interacts with dihuava using natural language and AI filters based on meta data to generate recommendations

Key features of the catalog

Simple CSV Upload: with pre defined columns. Business owners update their catalog in minutes, not days. Supports images (.jpg, .png, .webp) and videos (.mp4, .webm, .mov) as product catalog assets.

AI Meta Data Generation: The LLM automatically analyzes your catalog and generates synonyms, spelling variations, and domain-specific terms. A customer saying "gold bracelet", "bangle", or even "bracelat" all match the right product.

Smart Recommendation Engine, with dynamic Ranking: It uses a ranking method to recommend the most relevant product. It also understands natural queries like 'under \$500' or 'budget-friendly' to find the best options.

Visual Product Display (PIP) "picture in picture": Product photos and videos appear on screen alongside the avatar in real-time.

Audio Visual Sync: The avatar discusses only the product being displayed. Zero hallucination exact price, exact features, with deterministic explanations. What the customer sees is what the avatar says.

Multilingual Auto-Translation: Catalog content is automatically translated into all languages using a glossary-first approach for accuracy, with LLM fallback for unknown terms. One CSV, every language.

Catalog Versioning & Rollback: Every catalog update creates a new version. Switch to the latest or roll back to any previous version with zero downtime.

《产品目录：智能视觉销售——由设备端AI提供技术支持》

工作原理

Dihuava的《产品目录》将简单的CSV文件转化为智能化、可视化的产品销售体验。当

客户咨询某款产品时：

→数字人会立即推荐最佳匹配对象

→在屏幕上显示真实照片和视频；仅播报画面中展示的

内容；构建无缝衔接的视听销售体验。

→所有功能均完全在设备端运行。

工作原理：只需三个简单步骤

向上负载

将CSV文件及产品图片/视频

上传至产品目录系统

元数据创建

Dihuava 可自动生成词汇、翻译及
搜索结果
索引乘积数据库

客户互动

客户使用自然语言及基于元数据的
AI过滤器与Dihuava进行交互，
以生成推荐建议。

目录的主要特点

简易CSV文件上传：支持预定义列。企业主可在几分钟内（而非数天）更新产品目录，可将图片（.jpg、.png、.webp）和视频（.mp4、.webm、.mov）作为产品目录素材使用。

AI元数据生成：该大语言模型可自动分析您的产品目录，自动生成同义词、拼写变体及领域专属术语。客户输入“金手镯”、“手链”或甚至“bracelat”，系统均能精准匹配对应产品。

智能推荐引擎，具备动态排序功能：“该系统采用排名算法推荐最相关的产品，并能理解‘价格低于500美元’或‘高性价比’等自然搜索查询，从而精准推荐最佳选项。”

视觉产品展示（PIP）“画中画”功能：产品照片和视频可实时与用户头像同步显示在屏幕上。

视听同步：虚拟形象仅讨论所展示的产品，完全无虚假信息，价格与功能均准确无误，并提供明确解释。客户看到的内容即为虚拟形象所说的内容。

多语言自动翻译：目录内容采用以术语表优先的方式自动翻译成所有语言，确保准确性；对于未知术语则使用大语言模型（LLM）进行补译。每种语言对应一个CSV文件。

目录版本控制与回滚：每次目录更新都会生成新版本。您可以切换至最新版本或回滚至任意先前版本，且无需停机。

AI MODELS

All Intelligence Runs On-Device

Dihuava bundles four distinct AI subsystems, each installed and executed locally. Models are distributed via a secure download mechanism (OneDrive/SharePoint or a custom URL) and cached on the device for fully autonomous offline operation.

Language Model

Local LLM for AI conversation generation. Understands user intent, generates contextually appropriate responses, and maintains conversational state without cloud access.

✓ Installed & Ready

Search Engine

On-device semantic search and document retrieval powering the RAG knowledge base. Enables accurate, citation-grounded answers from uploaded business documents.

✓ Installed & Ready

Voice Synthesis (TTS)

Natural voice generation with 67+ cached voice profiles. Supports multiple languages and gender options. Offline TTS ensures zero latency voice output independent of internet status.

67 Voices Cached

Speech Recognition (ASR)

High-accuracy voice-to-text conversion processed entirely on-device. Supports continuous listening with VAD filtering to eliminate noise and capture only meaningful utterances.

✓ Installed & Ready

VOICE SYNTHESIS MODES

Offline Mode

Local TTS—zero latency, zero dependency, packaged language models

Online Mode

Cloud TTS—expanded language library when connected



System Mode

OS-level speech engine as a lightweight fallback



Offline Voice Languages

Bundled on-device TTS models—no internet required. Selected during initial setup and cached locally.



Online Voice Languages

When internet connectivity is available, Dihuava connects to a cloud TTS service unlocking a significantly broader language and accent library—ideal for multilingual or international deployments.

Expanded multilingual library via cloud

KNOWLEDGE BASE & CATALOG



RAG Document Upload

Upload business documents in PDF, TXT, Markdown, or CSV format (up to 10 MB each). The knowledge base is indexed locally and enables the avatar to answer customer questions grounded in your actual content.



AI Product Catalog

Upload a structured product catalog—Dihuava automatically generates AI vocabulary from your products, features, and assets. Supports versioning with rollback capability for catalog updates without downtime.

人工智能模型

所有智能功能均运行于设备本身。

Dihuava系统整合了四个独立的AI子系统，每个子系统均本地安装并运行。模型通过安全下载机制（OneDrive/SharePoint或自定义URL）分发，并缓存在设备上以实现完全自主的离线运行。

语言模型

专为AI对话生成设计的本地LLM。能够理解用户意图，生成符合上下文的响应，并在无需云端访问的情况下保持对话状态。

✓ 已安装并准备就绪

搜索引擎

设备端语义搜索与文档检索功能，为RAG知识库提供支持；可从上传的业务文档中生成精准且基于引用信息的答案。

✓ 已安装并准备就绪

语音合成 (TTS)

支持67种以上缓存语音配置文件的自然语音生成功能，兼容多种语言及性别选项；离线 TTS 可实现零延迟响应。
潜伏期 噪音 输出：结果 独立于互联网之外
状态。

67 种 缓存语音

语音识别 (ASR)

高精度语音转文本功能完全在设备端完成处理。支持通过 VAD 滤波实现连续聆听，有效消除噪音并仅提取有意义的语音内容。

安装 & 已准备就绪

已安装并准备就绪

语音合成模式

离线模式本地 TTS ——零延迟，
零依赖，打包语言模型

在线模式
云 TTS ——连接后可扩展语言库

系统模式
操作系统级语音引擎作为轻量级备用方案

**离线语音语言**

预装在设备上的 TTS 模型——无需互联网连接。这些模型在初始设置时自动选取并缓存于本地。

**在线语音语言**

当具备互联网连接时，Dihuava可接入云 TTS 服务，从而解锁涵盖更广泛语言及口音的资源库。——非常适合多语言或国际化的部署场景。

通过云端扩展多语言图书馆

知识库与目录

**RAG文档上传**

可上传PDF、TXT、Markdown或CSV格式的业务文档（每份文件大小不超过10 MB）。知识库采用本地索引机制，使虚拟助手能够基于您的实际内容回答客户问题。

**AI产品目录**

上传结构化产品目录——Dihuava可自动从您的产品、功能及资产中生成相关术语表。支持版本管理，并具备回滚功能，确保目录更新无需停机。

SYSTEM HEALTH

Real-Time Service Monitoring

Dihuava's built-in health dashboard provides operators with live visibility into the status and response times of every internal service. Auto-refresh mode continuously monitors system integrity with a single glance.

COMMUNICATION SERVICE

ONLINE

3 sec response time

CONVERSATION ENGINE

ONLINE

2 sec response time

VOICE ENGINE

ONLINE

Ready · 67 voices cached

SPEECH RECOGNITION

ONLINE

Ready for input

API SERVICE

ONLINE

Oms(local socket)

SEARCH SERVICE

ONLINE

9 ms semantic search

LICENSE MANAGEMENT

Secure Device Activation & Feature Gating

Each Dihuava deployment is activated via a unique license key tied to the specific device hardware ID. The license controls feature access, session limits, and interaction quotas—ensuring fair use and commercial integrity across deployments.



Device-Bound Activation

Each license is cryptographically bound to a unique device hardware fingerprint. Licenses cannot be transferred or reused across machines.



Usage Quotas

Up to 5,000 daily interactions and 10 concurrent sessions. Clear expiry visibility with days-remaining counter and on-demand refresh.



Offline Mode Included

Licensed devices can operate in full offline mode—voice, AI, and responses all function without network access. No silent license "phone home."

MULTILINGUAL INTERFACE

International-Ready Platform

Dihuava's entire operator interface supports multiple languages, ensuring deployment teams worldwide can configure and manage the system in their native language. The platform ships with all 32+ languages (Simplified) UI localizations out of the box.



Internationalization Features

- Offline all 32+ languages UI localizations included
- Avatar speaks in operator-selected language
- Online: Expanded cloud language library
- AI Models screen available in
- Settings menu available in local language
- Offline: All 32+ language bundled models
- License screen fully localized()
- Language toggle accessible from main screen

系统健康

实时服务监控

Dihuava内置的健康仪表盘可让操作人员实时掌握所有内部服务的状态及响应时间。自动

刷新模式可一目了然地持续监控系统完整性。

通信服务

在线

响应时间为 3 秒

对话引擎

在线

响应时间为 2 秒

语音引擎

在线

已准备·已缓存 67 个声音

语音识别

在线

已准备好接收输入

API服务

在线

OMS (本地套接字)

搜索服务

在线

9毫秒语义搜索

许可证管理

安全设备激活与功能管控

每次Dihuava部署均通过与特定设备硬件ID关联的唯一许可证密钥进行激活。该许可证可控制访问

权限、会话次数限制及交互操作。

配额制度——确保在各类应用场景中实现合理使用并维护商业完整性。



设备绑定激活：每份许可证均

通过加密方式与唯一的设备硬件指纹绑定，无法在不同设备间转移或重复使用。



使用配额

每日最多支持5,000次交互和10个并发会话。通过剩余天数计数器及按需刷新功能，清晰显示有效期。



已启用离线模式

授权设备可完全以离线模式运行——语音功能、人工智能服务及响应功能均无需网络连接即可正常运作。不存在需要静默授权的“远程登录”流程。

多语言界面

·国际通用平台

Dihuava的完整操作界面支持多种语言，确保全球部署团队能够使用各自母语配置和管理该系统。该平台出厂时即预装全部32种以上（简体中文）用户界面本地化版本。



国际化

功能；特性



离线支持全部 32 种以上语言及本地化版本



支持本地语言的设置菜单；离线模式下：所有包



Avatar可使用操作员选定的语言进行在线交



含32种以上语言的机型均支持；许可证界面已



流：扩展版云端语言库及AI模型界面现已上



完全本地化。



线。



可在主屏幕上切换语言

Industry Applications

Dihuava

Purpose-Built for Real-World, Privacy-Critical Deployments

USE CASES

Dihuava's offline-first architecture and customizable persona system make it uniquely suited for industries where data privacy, uptime, and natural human interaction are **non-negotiable**.



Banking & Financial Services

AI digital advisors that assist clients in a private, compliant manner—entirely on-premises.

Account opening & loan guidance Investment advisory in-branch KYC & document explanation
100% local—no client data leaves the branch
Real human hologram executive presence



Retail & Commerce

Interactive AI brand ambassadors that work 24/7, even during network outages.

> Product discovery & recommendations > Real-time promotional offers > Catalog-driven product queries > Multilingual customer engagement > Works offline during network downtime



Healthcare & Clinics

Patient guidance and front-desk assistance with full privacy compliance.

> Patient wayfinding & registration > Multilingual health information > Appointment check-in assistance > HIPAA-compatible—no PHI transmission > 24/7 lobby & reception coverage



Corporate & Enterprise

AI receptionists and executive holograms that streamline workplace interactions.

Visitor check-in & management HR & policy FAQ assistant Executive hologram presence Internal communications kiosks Secure—no data leaves the office perimeter



Education & Training

Lifelike AI tutors and trainers that deliver engaging learning experiences.

Interactive classroom-style tutoring On-demand training delivery Student Q&A from knowledge base Operates in schools without internet Supports multilingual instruction



Tourism & Exhibitions

Immersive holographic guides that enrich visitor experiences in any venue.

> Museum & gallery interactive guides Trade show & exhibition assistants Tourist information in local language > Works in remote areas without connectivity > Attracts and engages crowds visually



Trusted Across Asia-Pacific & Middle East

HS Global AI operates as a trusted technology partner in Singapore and the UAE, with Dihuava deployments spanning retail, finance, healthcare, and enterprise verticals across the region. Our offline-first Edge AI architecture ensures Dihuava performs reliably in markets with varying connectivity infrastructure.

行业应用

Dihuava

专为现实世界中隐私保护要求极高的应用场景而设计

USE 案例

Dihuava的离线优先架构和可定制的人设系统使其特别适合那些数据隐私、系统正常运行时间以及自然人机交互不可妥协的行业。



银行业与金融服务

为客户提供以私密化、合规化方式——完全在-营业场所内提供服务的数字顾问。开户与贷款指导、网点内的投资咨询、KYC 及文件说明均实现100%本地化——客户数据绝不外传至其他地点；配备真实人类全息高管虚拟形象。



零售与商业

互动式品牌大使全天候（24/7）提供服务，即使在网络中断期间亦不例外。
>产品发现与推荐 >实时促销优惠 >基于商品目录的产品查询 >多语言客户互动 >在网络故障期间离线运行



医疗保健与诊所

提供符合全面隐私保护要求的患者指导及前台服务。

患者导览与登记 > 多语言健康信息 > 预约签到协助 > 符合 HIPAA 标准 ——无个人健康信息传输 > 24小时全天候大堂及接待服务



企业级与大型企业级铝制接待员及高管

全息影像系统，可优化职场互动流程。

访客登记与管理；人力资源与政策常见问题解答助手；高管全息影像显示功能；内部通讯自助服务终端；数据安全防护——所有数据均不离开办公区域范围。



教育与培训

提供实时教学服务的真人导师与培训师引人入胜的学习体验。

互动式课堂辅导；按需培训交付；基于知识库的学生问答；无需互联网即可在学校使用；支持多语言教学



旅游业与展览业

沉浸式全息导览系统，可全面提升各类场所的游客体验。

博物馆与画廊互动导览服务；贸易展览助理；本地语言旅游信息提供；适用于无网络连接的偏远地区；通过视觉效果吸引并吸引大量游客。

在亚太地区及中东地区广受信赖

HS Global AI作为新加坡和阿联酋值得信赖的技术合作伙伴，其Dihuava解决方案已覆盖该地区零售、金融、医疗保健及企业等多个垂直领域。我们采用“线下优先”的Edge AI架构，确保Dihuava能在连接基础设施各异的市场中稳定运行。

Technical Specifications

Dihuava

SOFTWARE PLATFORM

Specification	Details
AI Architecture	100%On-Device Edge AI—no cloud dependency
Language Model	Local LLM (Large Language Model)—on-device inference
Speech Recognition	On-device ASR with Voice Activity Detection (VAD)
Voice Synthesis	Local TTS(Offline)·67+voice profiles·Offline:EN,ZH, ES and 29+more language bundled·Online:Expanded multilingual cloud library·System:OS fallback
Knowledge Base	RAG(Retrieval-Augmented Generation)·PDF, TXT,CSV,MD·Max 10 MB per file
Product Catalog	AI-generated vocabulary·Version control·Rollback support
Session Capacity	Up to 10 concurrent sessions
Daily Interaction Limit	Up to 5,000 interactions per day (license-controlled)
Supported Languages	English,Chinese,Spanish and 29+more languages
Persona Profiles	Retail,Healthcare,Corporate·Custom avatar upload(signed ZIP)
Environment Profiles	Indoor Patient·Indoor Responsive·Outdoor Patient
License Type	Device-bound license key·Annual renewal·Offline-capable
Health Monitoring	Real-time dashboard·6 service status indicators·Auto-refresh
Model Distribution	OneDrive/SharePoint URL or custom URL·One-time download
Data Privacy	Zero external data transmission·GDPR-compatible·Air-gap deployable

软件平台

规格	详情
人工智能架构	100%基于设备端边缘计算——无需依赖云端
语言模型、语音识别、语音合成	本地 LLM (大型语言模型) ——设备端推理; 支持语音活动检测 (VAD) 的设备端自动语音识别 支持本地 TTS (Offline)·67+voice profiles·Offline: EN、ZH、ES及29种以上语言组合·在线版: 扩展的多语言云图书馆·系统: 操作系统回退方案
知识库	RAG (检索增强型 Generation)·PDF, TXT, CSV, MD·Max : 每个文件大小为10 MB)
产品目录	算法生成的 vocabulary·Version control·Rollback 支持
会话容量	最多支持 10 个同时进行的会话
每日互动限制	每日最多可进行5,000次交互 (受许可证限制)
支持的语言	英语、中文、西班牙语以及另外29种以上语言
人物档案	零售、医疗保健、企业·自定义头像上传 (已签名的 ZIP文件)
环境概况	室内 Patient·Indoor Responsive·Outdoor 患者
许可证类型	设备专属许可 key·Annual renewal·Offline-capable Real-time dashboard·
健康监测	6 service status indicators·Auto-refresh
模型分布	OneDrive/SharePoint URL 或自定义 URL ·一次性下载
数据隐私	零外部数据传输·符合GDPR规范·可采用气隙部署

Dihuava

Digital Human Avatar Platform · By HS Global AI

100%On-Device AI Zero Cloud PDPA Ready Air-Gap Deployable

Data Residency

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数字人虚拟形象平台 · 由 HS Global AI 开发

100% 设备端人工智能 · 零云端 · 符合 PDPA 法规 · 支持物理隔离部署
数据驻留方案

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