Al-Driven Media Evolution

Shaping the Future of Media Industry Toward New Digital Life

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Development of Technologies and User Behavior Drive Innovation

Content matters

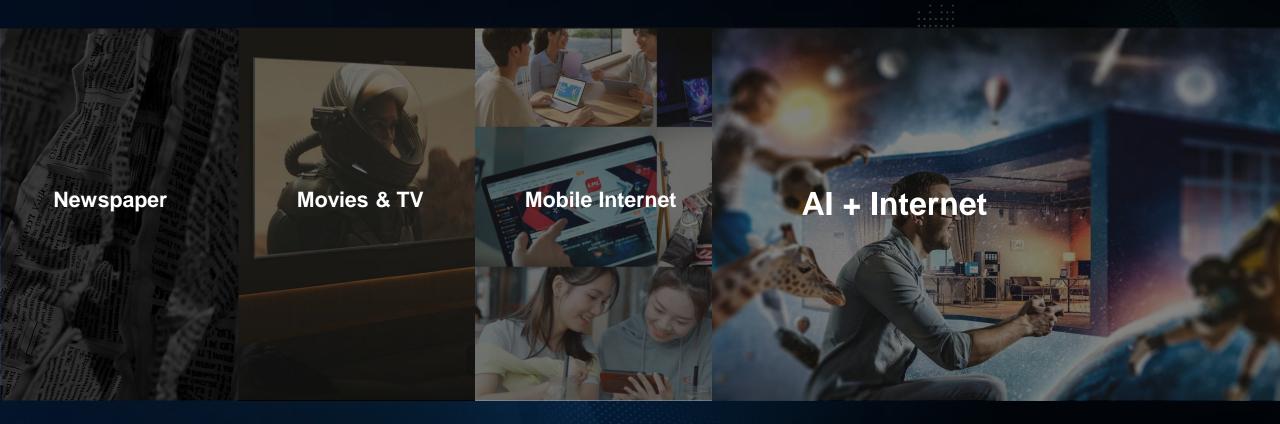
From reading to watching

Interest matters

From watching to interacting

Al matters

From interacting to infinite possibilities





User Experience Has Become the Main Factor for Media & Entertainment



An average of **19 hours** of online video content per week in 2022



From **\$ 375.1 billion** in 2021 to **\$ 1,721.4 billion** by 2030 , CAGR of **18.45%**



McKinsey predicts that video entertainment, in all its forms, will become more **immersive**, **gamified**, **and personalized**.

As video services become the most popular and effective way for people to distribute and obtain information, consumers expect a lower-latency, ultra-high-definition, more smooth and interactive user experience



Content production

4K | AI | AR/VR | Computer graphics | Rending



Content distribution

Media stream | RTC | Distributed network



Personalized recommendation

Big data | Al



The Omnimedia Technical Concept of Centered Production and Consumption

+UGC, Internet

Traditional homemade



Open production with random editing





Content production

Multi-screen interaction, intelligent and precise:



Uni-screen unidirectional



Channel distribution

Diversified & traffic monetization



Dependent AD



Media operation



Multi-tech Integration, Shaping the Future of Mobile



GSMA Director General Mats Granryd @ Opening Speech





Al Boosts Connection Density And Driving New Surges In Data

Multimodal Interaction A New Wave Of Explosive Data Growth

Mobile AI data traffic = \uparrow Interaction efficiency x \uparrow Quality x \uparrow Objects



Content search → Generation

10~100X **Content Productivity/Diversity**

Audio & video → Multimodal Precise, generative: Minutes → Seconds



Human-human → Computer-computer interaction

100x more objects

real-time interaction for more applications















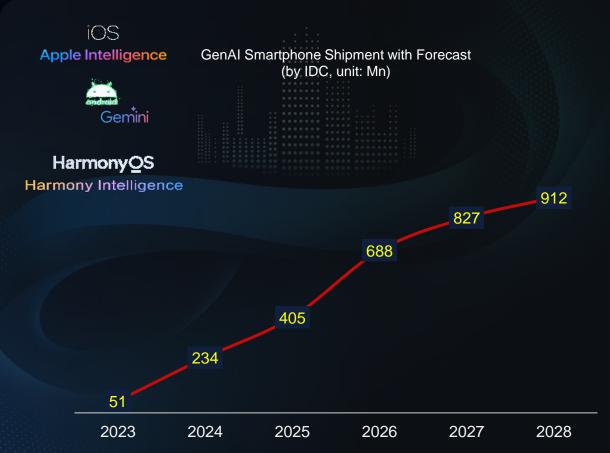
Smart Phone > GenAl Terminal

100+ Terminals **1,000,000+** applications

Local learning Reasoning awareness & Large-scale pre-trained

Building a Fully Connected, Intelligent World

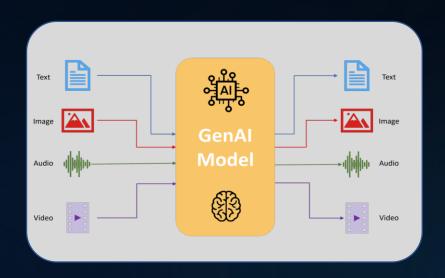
GENAI Phone Rapid Shipment Growth 78.4% CAGR @ 2023~2028

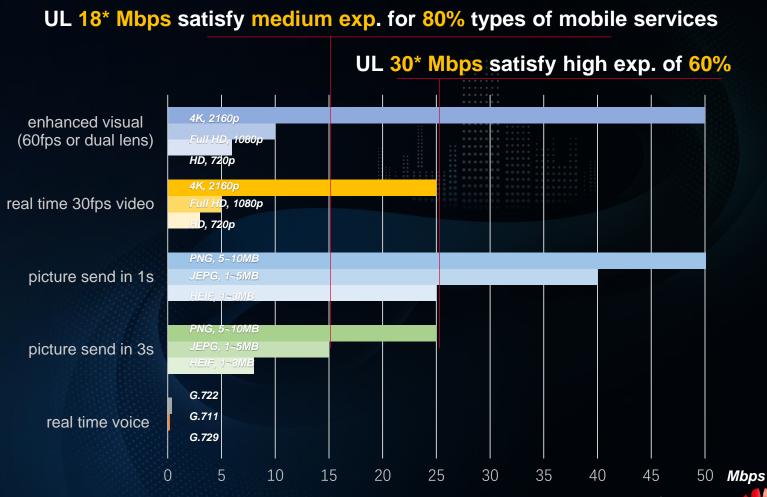




Real-time Multi-modal AI, UE-cloud interaction, requires UL 18~30 Mbps

Multi-modal's Computing & Retrieve Need multi-media upload to Cloud





My Experience with Evolving Call Services





Collaborative Innovation: E2E Industry Collaboration Boosts Video Service Traffic

1080p video experience



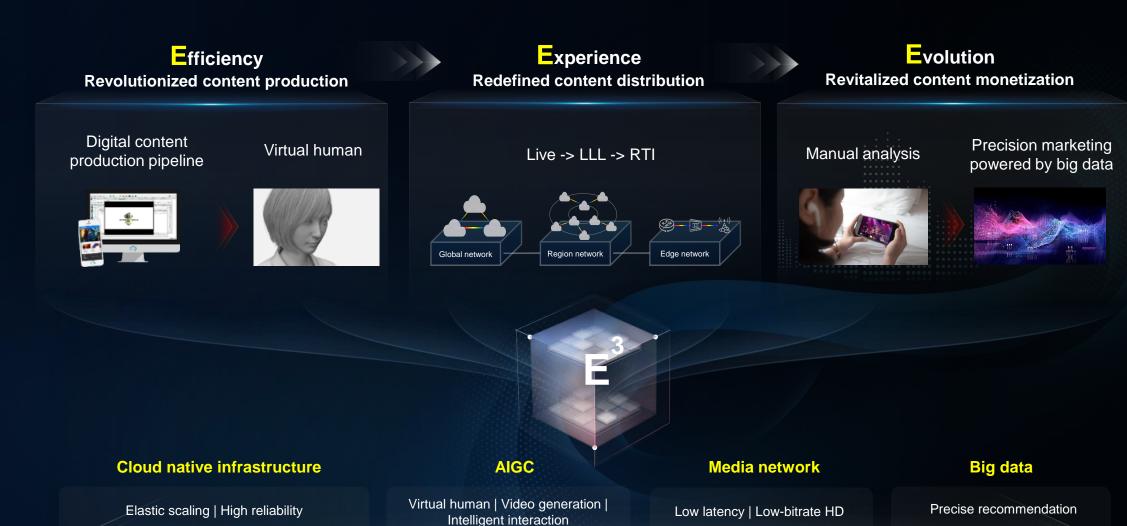
Glasses-free 3D terminal and content ecosystems







Redefining Productivity of the Media Industry with E³





Huawei Cloud +Al Media Intelligence Capability Framework



Content security



Content analysis



Copyright protection

Content Profile



Intelligent search



Recommendation system



Big data analysis

Connection Matching

User Profile



Huawei Cloud +Al Video/Image Enhancement Cloud Services

Video repair (deblurring, noise reduction, block removal, and dedistortion)

Video enhancement (super score and sharpening)

















Motion fuzzy optimization

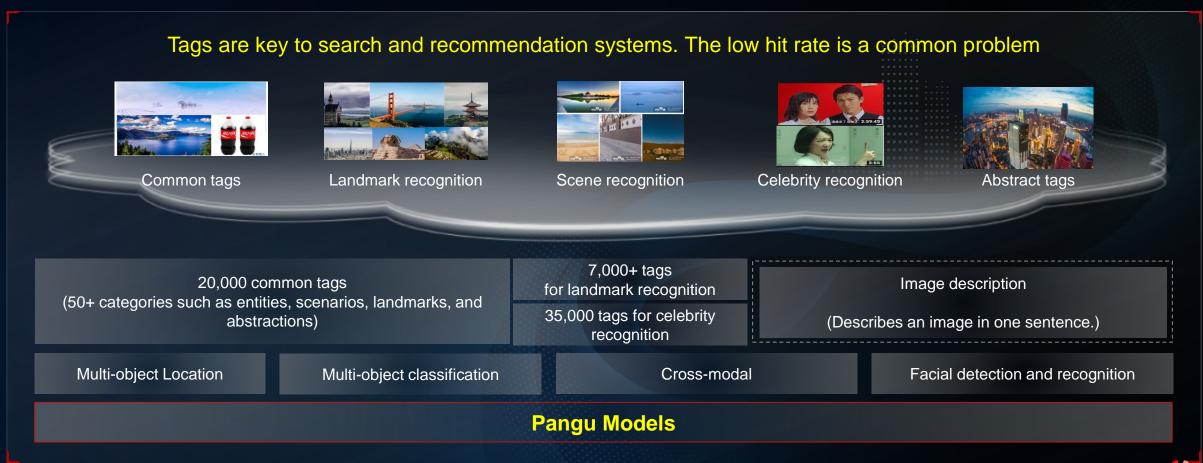
Noise reduction

1K to 4K Enhancement

Overshooting & Enhancement of old videos

Multi-modal Content Tags

Deep learning technologies help accurately identify visual content in images. It provides a wide range of tags for identifying objects, scenes, and concepts to help customers better understand image content





Video Highlights Service

- Based on video content understanding and video aesthetic consideration
 Automatically aggregates video highlights to generate abstracts based on video content understanding and video aesthetic consideration.
- Support various subjects and scenes.
 Intelligently extract highlights from multiple UGC and PGC video clips and adapt to multiple subjects to quickly adapt to multiple video scenarios.

View Efficiency

Compress the original video to 15% of the duration.

Multi-Scenarios

Customizable for more scenarios

Quick Customization

It takes only 2-3 weeks to adapt to new scenarios.

High Accuracy

Identification rate of multiple scenarios: 80%+

Fast Processing

The duration is 1/12 of the original video duration.

Requirement

Highlight customization based on service scenarios

Fast Customization and adaptation to More Scenarios

Movie Highlights



Sports Video Highlights

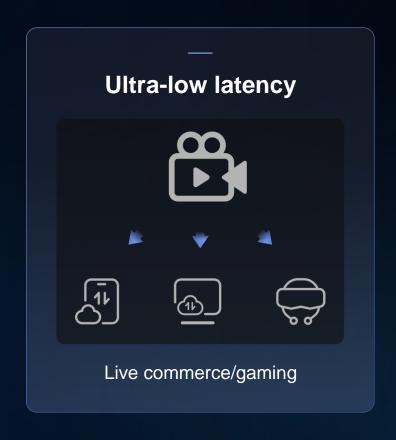


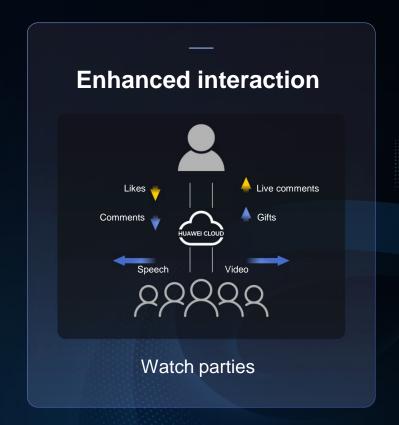


More Vertical Sectors.....



Experience: Understanding User Needs Beyond Themselves

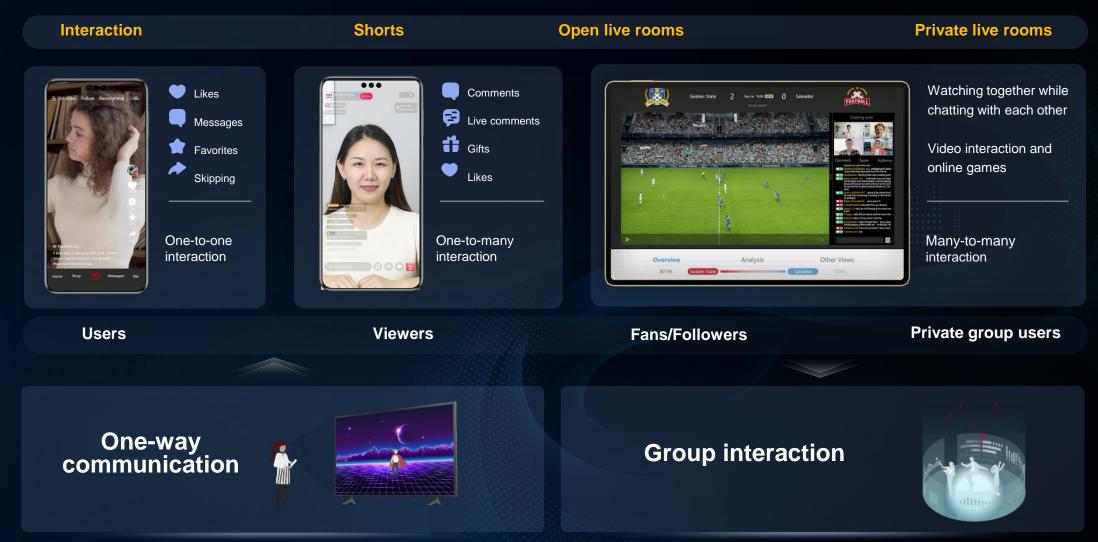








Enhanced Interaction: Making Users Feel Part of a Group





Virtual Human Is Widely Used in Various Industries

Brand ambassadors

Variety show hosts

Live commerce streamers

News anchors

Trainers

Tour guides

Customer service personnel

Marketing

More...



JOY-E of China Mobile (Hong Kong): Branding video and on-site activities



Virtual human's speech in multi-language @ Huawei Cloud Planck Hall



Multilingual virtual blogger



Virtual anchor for financial institutes



Company promotion, platform introduction, wealth management KOL, and bank customer service, etc.



Virtual commerce streamer



5G Slicing Empowers Mobile Live Video Production

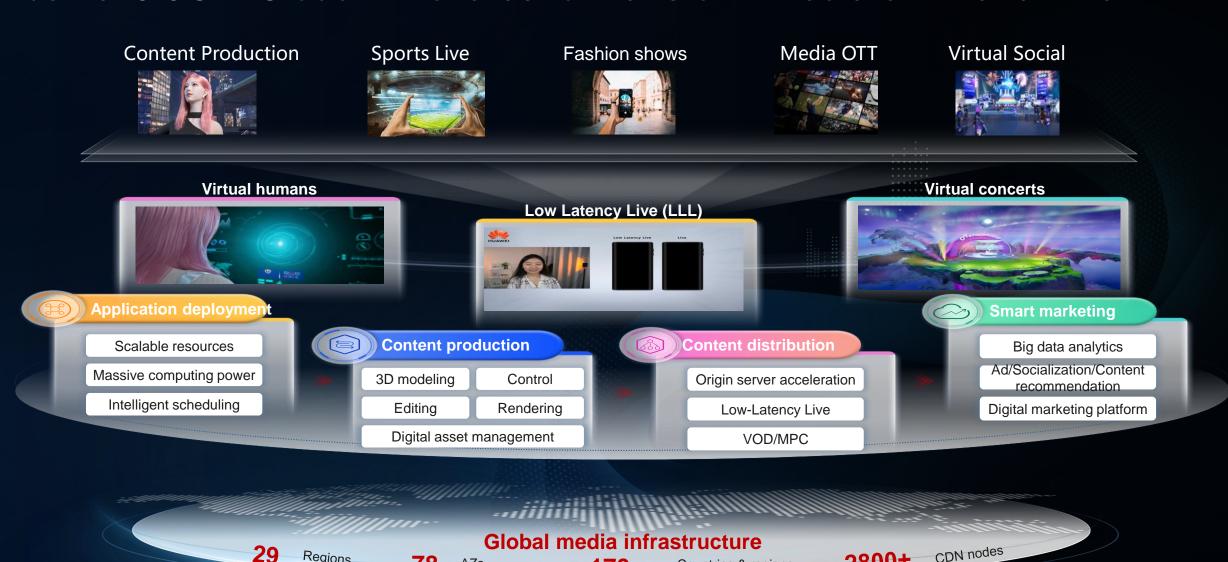








Huawei 5.5G + Cloud: Innovates to Transform Media & Entertainment



170+



2800+

Countries & regions

Regions

