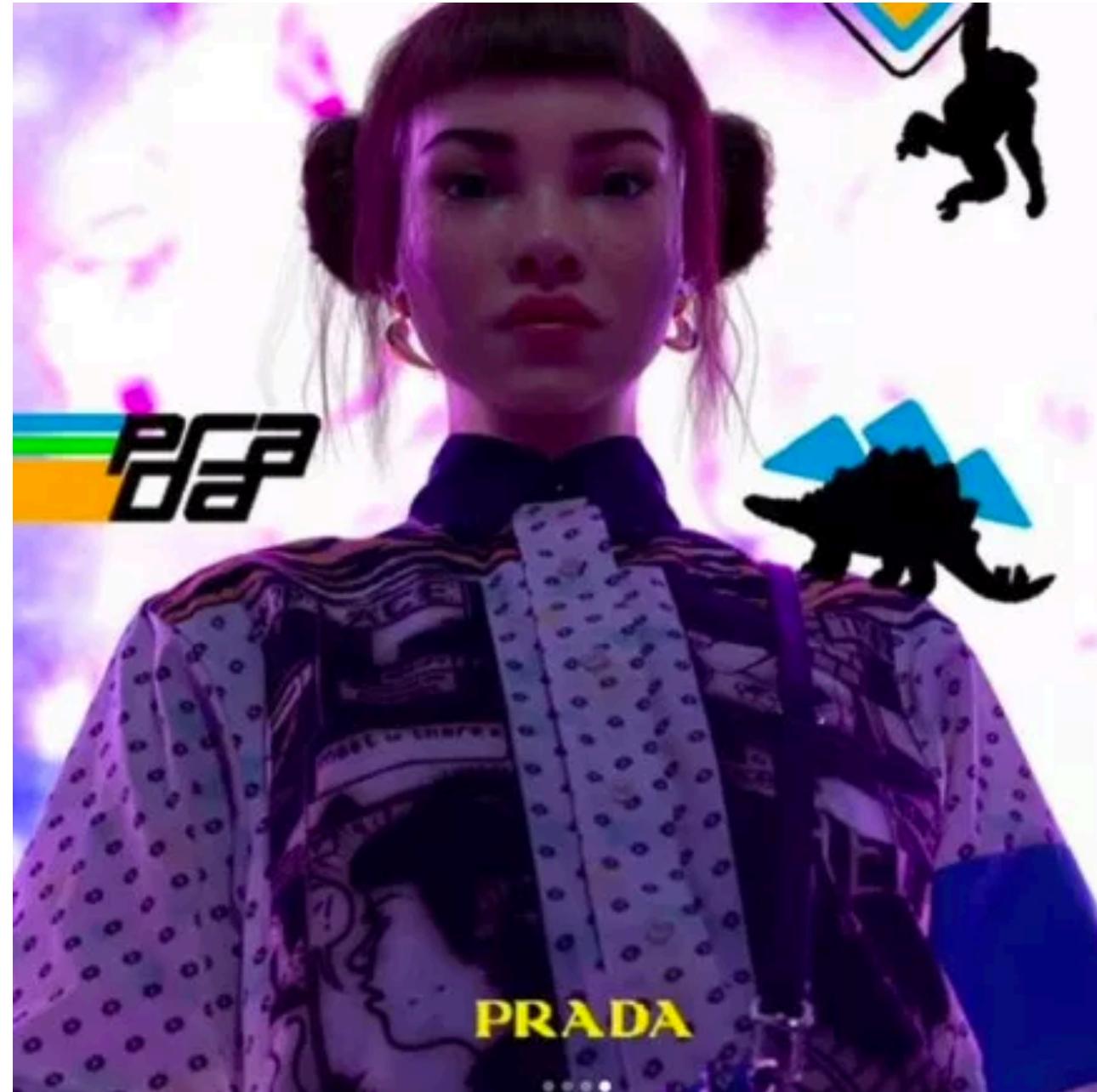




Digital Human Trend

Digital Human Trend is Growing Fast in Social Media

as real-time 3D rendering tech is advancing while SNS content becomes new-normal.



[Lil Miquela Instagram Account](#)

+1.6M Instagram Influencer

Sponsored by Major Brands
(Prada, Calvin Klein, YouTube Music, Coachella)



[Kizuna A.I. YouTube Channel](#)

+2.6M Virtual YouTuber

Japan's Top 30 YouTube Channel
Virtual Concert, Virtual Music Video Production



[Zepeto App](#)

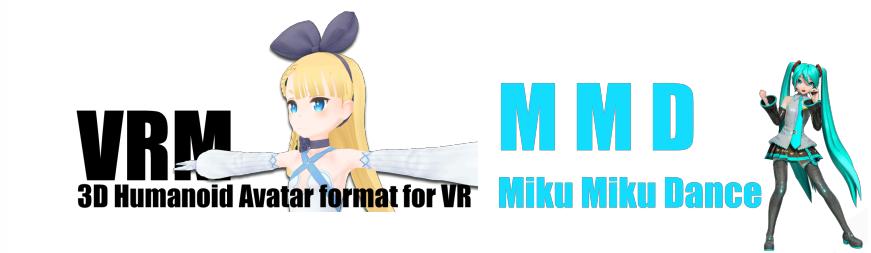
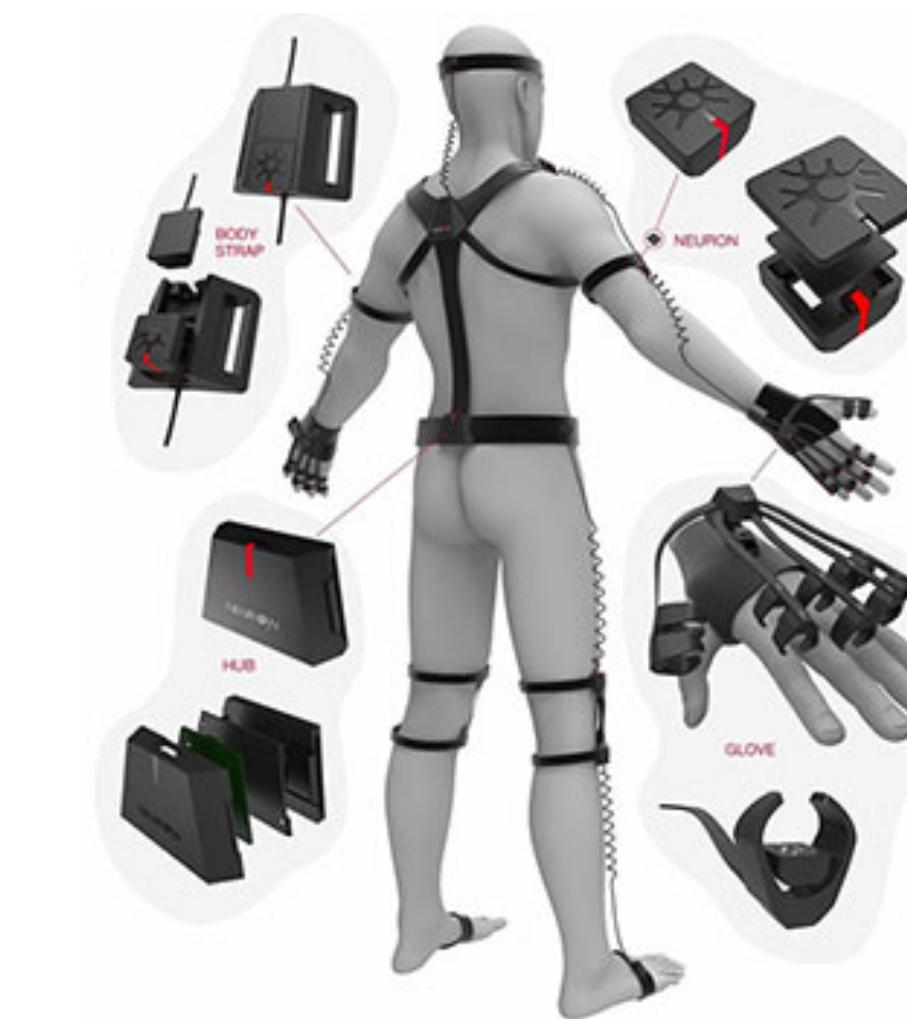
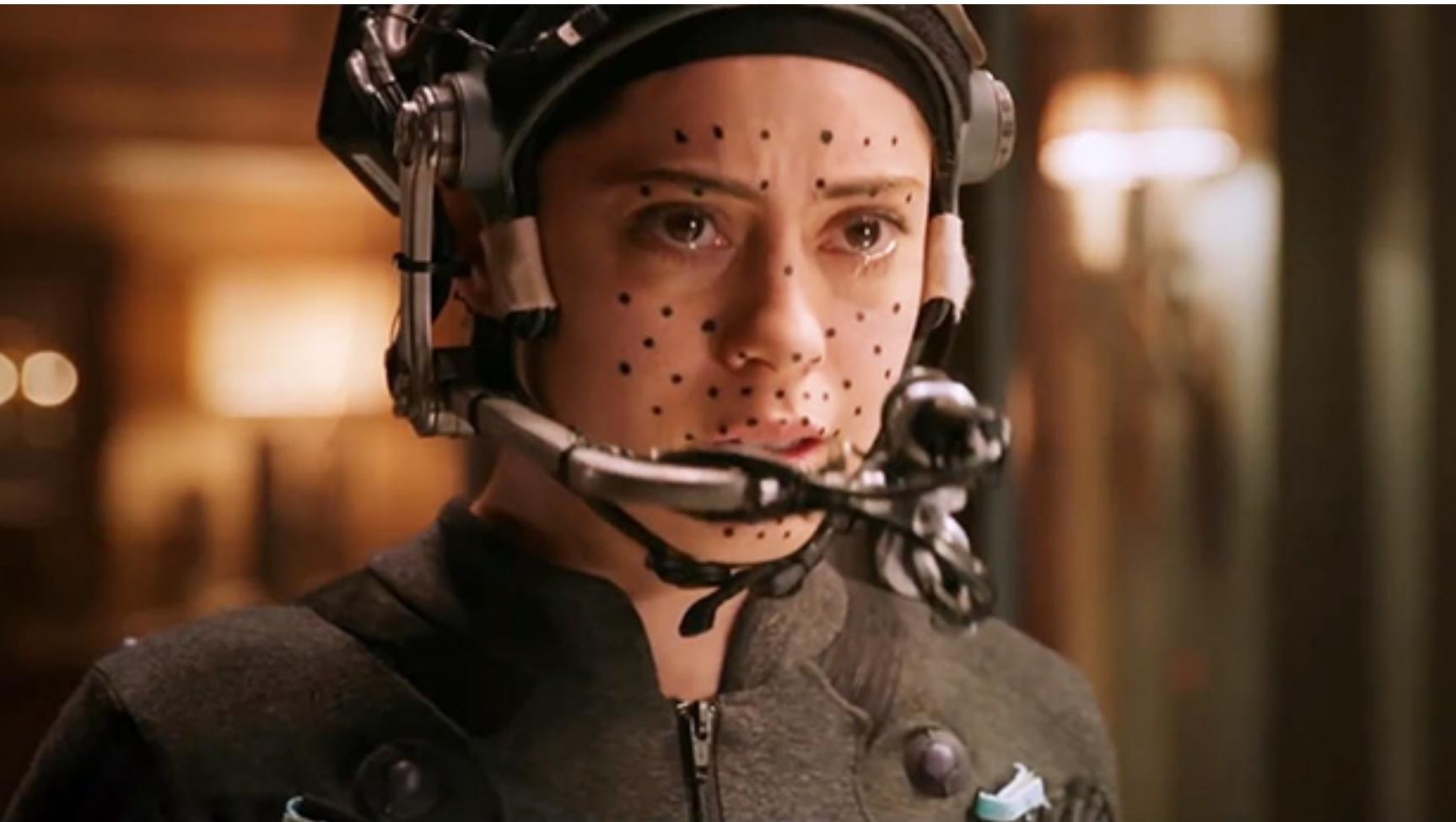
+10M Downloaded App

Instant Avatar & Content Creation
and Social Community for Everyone

Current Problem

Yet, Not Everyone Can Become Digital Human in Real-time

as the current high-end motion capture solutions are complicated and heavy for the massive public.



Complicated Pre-Capture Setup

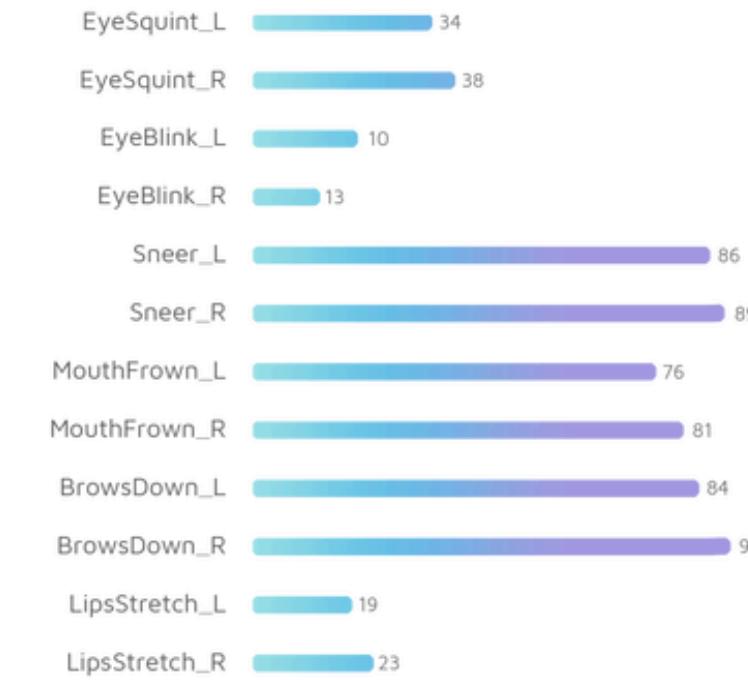
- Time consuming offline calibration
- Markers or special makeup needed
- Post-production clean-up and refinement

High Software/hardware Dependency

- OS/file format dependency
- Expensive order-to-made hardware
- Hard to integrate other solutions

Why Hyprsense

Hypsense provides **real-time facial motion capture** technology for anyone to become digital human and create live 3D animation easily.



Instant Capture System

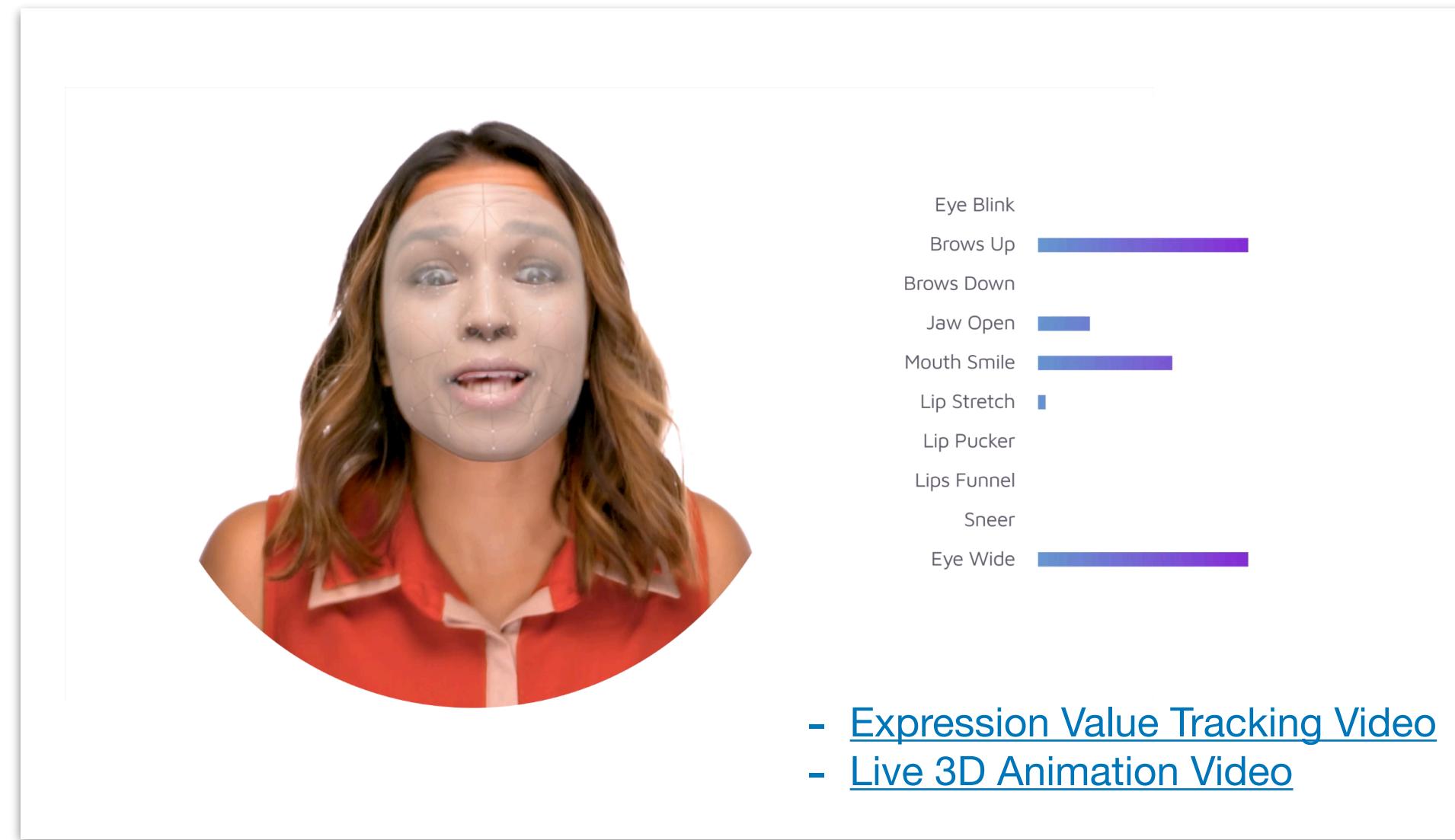
- High fidelity facial animation
- Markerless face mocap
- On-the-fly calibration

Various Setup Support

- Off-the-shelf RGB camera base
- Various OS support
- Various file format support

Hyprface Facial Tracking SDK

Vision-based Facial Motion Capture Technology



Hyprface is a machine learning based real-time face-tracking system, delivered in a SDK form.

The markerless motion capture based on the RGB sensor enables instant calibration for personalized facial model and responsive expression tracking. By integrating Hyprface, any pre-rigged 3D character can be animated with real-time expression.

<Features>



3D Dense
Mesh Tracking



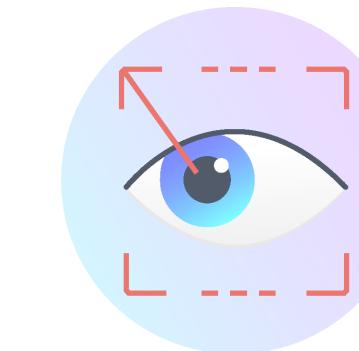
Multi-face Tracking



Light & Fast
(~15MB, 7ms on iPhoneX)



+50 Expressions



Eye Tracking

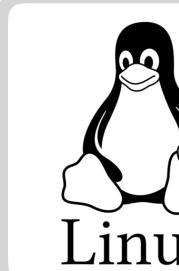


Tongue Tracking

<Cross Platform Support>



RGB camera



Linux



Miku Miku Dance



mixamo



VRM
3D Humanoid Avatar format for VR

Upcoming Support

Demo Videos

Tech Demo Videos in Dynamic Scenes



<https://youtu.be/x0sxVJI0JW4>



<https://youtu.be/NDZwLeUD2ao>



<https://youtu.be/wBwYNFWP42c>

Facial Landmark Tracking

Hyprface SDK detects faces and tracks 198 facial key points to accurately capture the facial movements.

Cinematic 3D Character Animation

Hyprface SDK allows you to animate production-quality 3D models in real-time due to its fast performance and light size.

Live Multi-face Tracking

Hyprface SDK can track multiple people's faces at once running locally on an iPhoneX in real-time.

Use Cases

Our customers and their applications using Hyprface



<https://youtu.be/7UOH-9TUHD8?t=29>

Nexon

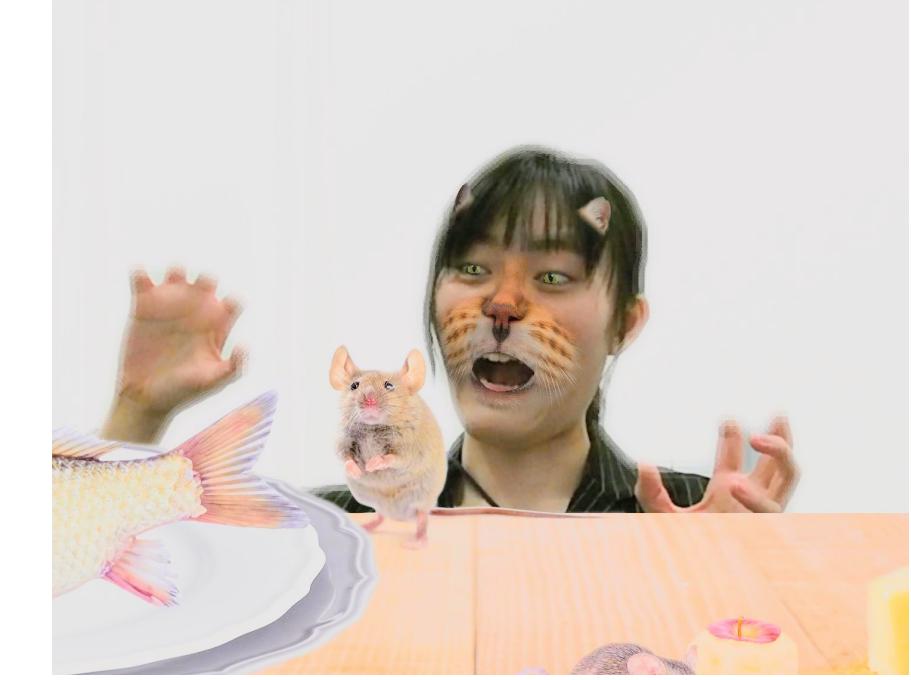
Nexon live streams game related shows and events with their game characters powered by our SDK.



<https://www.narle.kr/>

Korea Telecom

KT developed an AR game for its smart speaker and an avatar video call app to accelerate 5G usage.



<https://youtu.be/7UOH-9TUHD8?t=29>

Sony Music Solutions

Sony Music Solutions integrated our SDK to provide AR interactive signage platform for on site events.



<https://luppet.appspot.com/>

Luppet

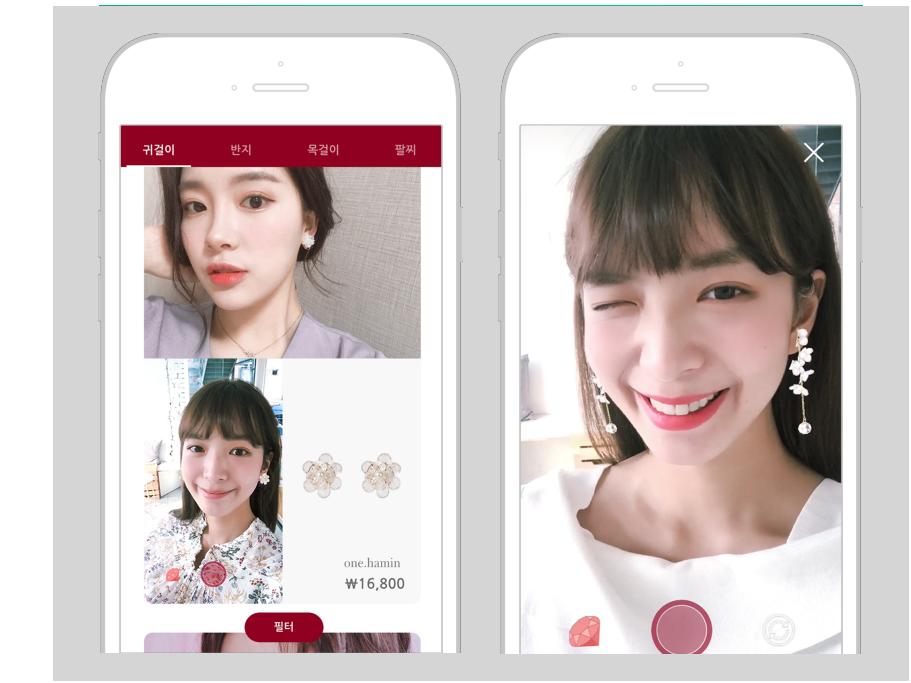
Luppet provides high-end VTuber solution including our facial mocap SDK to support individual VTubers.



<http://gobermuda.net/>

Bermuda

Bermuda is a social video chatting app with AR facial filters built upon our SDK.



<https://youtu.be/yRfV7Q--dWQ>

Lologem

Lologem automates virtual jewelry wearing process and promotes online sales of accessories.



Let's Connect



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contact@hyprsense.com