

Reenactment Suite

Live Portrait, Talking Heads & Lip Sync



D-ID Reenactment solutions

D-ID's proprietary facial reenactment technology will transform forever the way we view faces. The artificial intelligence-based technology enables the creation of high-quality, realistic video footage, using any "driver" video to guide the movements, expressions, and speech of the target actor, or a target still photo. The Reenactment-based products offer new groundbreaking capabilities in the media, entertainment and advertising industries.

Our product suite includes Live Portraits, Puppeteering & Lip Sync

Live Portrait

Adding a video dimension to photos and portraits using AI-based technology

A single photo is all it takes to create the magic of video

D-ID's Live Portrait product, based on the company's reenactment technology, breathes life into any still photo, based on a selectable "driver" video. The Live Portrait process uses the driver video to animate the person in the still photo (the "puppet") to precisely match the driver's head movement, facial expressions and emotions and voice.

This artificial intelligence-based technology brings a whole new dimension to photos, allowing them to be seen in a way never imagined before.

Talking Heads

Using driver videos of faces to create new photo-realistic film and video sequences from existing footage

D-ID's disruptive reenactment technology can realistically create footage based on "driver" videos, where the "driver" can be a video of the actor himself, or that of a different person.

This AI-based technology allows producers to create and enhance video footage, in an easy and cost-effective way, radically reducing the need for expensive studios and other production costs. It will allow producers and talent to take part in more projects and overcome distance challenges such as those created by the global epidemic we are facing.

Lip Sync - Coming Soon

Overcoming the language barrier in film & video using AI-based technology

The human eye is extremely sensitive to subtle details of the face.

Video footage localized via dubbing to other languages typically disregard/neglect the correlation of the original actor's lip movement and facial expressions to the target language (i.e. lip syncing).

D-ID's powerful AI-based Lip Sync tool synchronizes the lip movements and facial expressions of an actor in a dubbed scene, to match the new dialogue track much more precisely.

Dubbed content is all about overcoming the barrier of language to reach larger audiences, but the viewing experience is mediocre since discrepancies between the lip movements and the audio are highly visible and often jarring. D-ID's Lip Sync product significantly improves the viewing experience without the need to re-shoot whole scenes, which reduces production costs and creates a more seamless experience for the viewer as opposed to the existing inferior solutions of dubbing or subtitling.

Whether you're making commercials, TV shows, sales or educational content, D-ID's Lip Sync product will make sure your audience is taking in your message, not looking at the poorly matched lips of the actors.

Technology

Our reenactment technology enables users to animate (or reenact) any given video so it behaves like a "driver" video, with a natural and photorealistic texture, in high resolution, and in real-time.

See an example [here](#).

The algorithm is constructed with a variety of deep neural networks that have been trained on tens of thousands of videos. It does not generate every frame from scratch, unlike other methods.

Instead, it calculates a motion map to interpolate the original pixels of the source, and calculates an occlusion map to synthesize the missing parts. In this way the algorithm produces natural looking results, with low latency.



Let's Talk!

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About D-ID

D-ID, a global leader in utilizing AI and Deep Learning technology in the face-space, is now leveraging its expertise to engineer videos and photos in ways never imagined before. D-ID offers reenactment-based products ranging from animating still photos, to facilitating high-quality video productions. With international customers and success stories, D-ID is expanding its operations and invites you to join our world of reenactment.