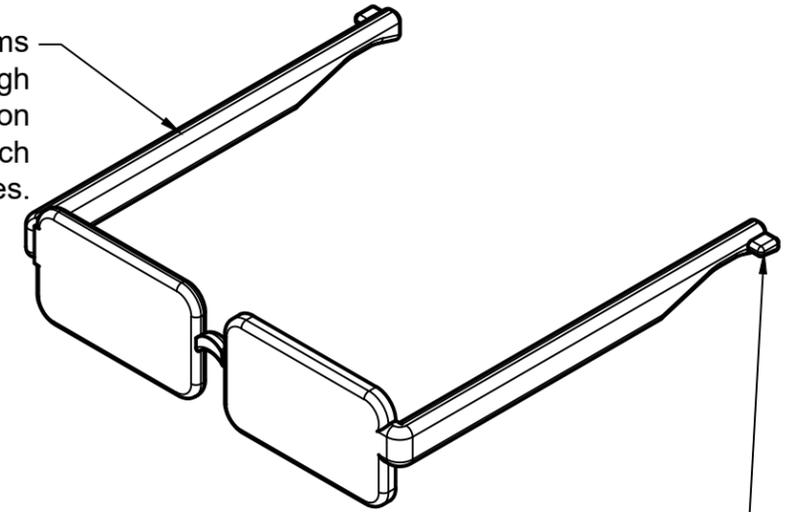


Hardware is integrated directly into the arms of the glasses.

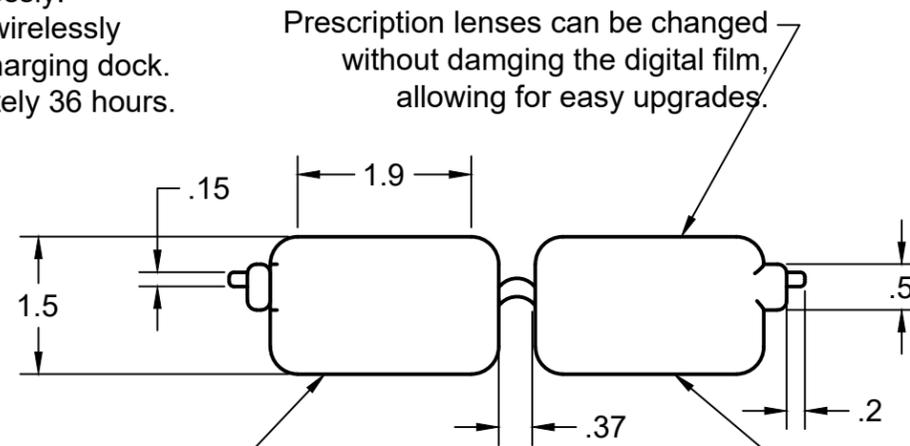
Directional Microphones help capture the wearer's voice.

Batteries in the arm allow this device to be used wirelessly. The device can be charged wirelessly with compatible magnetic charging dock. One charge lasts approximately 36 hours.

Hidden motion sensors built into the arms near the ears are trained through deep learning to detect common facial movements and expressions which are then transmitted to compatible glasses.



Highly directional speakers allow only the wearer to listen to transmitted audio.



Prescription lenses can be changed without damaging the digital film, allowing for easy upgrades.

Initial set up requires you to scan your face to ensure an accurate hologram.

An extremely thin light-producing film allows digital content to be superimposed on reality.



Mock view of a video call while walking on the sidewalk.

Retrieved from [https://lh3.googleusercontent.com/proxy/1l5tNo4f-7eHFBXWjnJ6G0YF6kEIK3prxYaRfpfgte-9peSkAvr4Y\\_NimH6niDCXORfgkW7Z8f781mvwdkMWpHokUVm2A](https://lh3.googleusercontent.com/proxy/1l5tNo4f-7eHFBXWjnJ6G0YF6kEIK3prxYaRfpfgte-9peSkAvr4Y_NimH6niDCXORfgkW7Z8f781mvwdkMWpHokUVm2A) and <https://fullrotation.com/wp-content/uploads/2017/04/einstein-3d-hologram2-web.jpg>

**Description:** The holophone is the latest innovation in communication technology. Capable of rendering 3D models of those you talk to, you'll be sure to never miss a hint of sarcasm or a loving glance again. When used with compatible glasses, your head will also be rendered, allowing for true, hands-free, face-to-face conversations in a virtual setting. Eye tracking technology through reflections on the lenses allows you to select digital content hands-free as well.

**Safety Information:** Contains lithium ion batteries, which are flammable. DO NOT use in any situation which requires awareness of your surroundings, including operating a motor vehicle. The holophone is intended to be used while stationary. While moving, a hands-free voice only call can be initiated.

PROJECT		Device Design Draft - ENGL 1102			
		TITLE			
APPROVED		The Holophone			
		A framework and software for smart glasses			
CHECKED	SIZE	CODE	DWG NO	REV	
DRAWN	Nathan Wong	9/18/2020	SCALE 1:2 (in.)	WEIGHT	SHEET 1/1