

The science
and psychology
behind eGlass.

A leap forward for engagement and retention online or in-class.



This is eGlass

It all started as a lightboard

Lightboards - clear panes of glass instructors write on while looking at their class - are nothing new. There are dozens of Youtube 'How To' videos helping teachers build their own.

Now, eGlass takes the lightboard light years forward, employing a modified HoverCam - one of the most popular desktop document cameras in North America - and technological innovations protected by 9 patents pending. The result is a lightboard that brings teacher / student connection to a new level.

But what makes this new way of learning so much better?

Reports advocate blending eye contact with content

The case for making eye contact while teaching is proven.

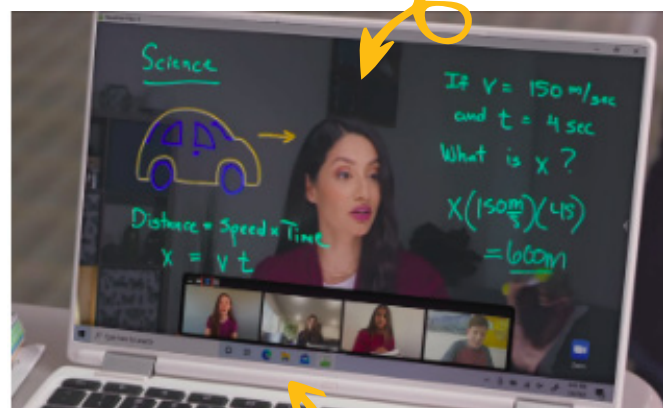
As Baranti writes "...Eye contact is, fundamentally, time and effort saving, with specific messages delivered by eye and facial expressions. Teachers can use eye contact as a correction technique as well. The greater the eye contact, the closer the relationship (with students)." *Journal of Applied Linguistics and Language Research*, 2015, 2(7)

In a 2020 study by HIT Laboratories, students were taught using either slideshows or a lightboard. 72% of students preferred the lightboard method, while 21% preferred the slides. *HIT Laboratories Study, Comparison of Slide and Lightboard Presentation Styles for Remote Learning*, 2020.

As S. Koc and J. Goodell of Cleveland University write "The separation of instructor and learners creates a psychological and communications space that needs to be bridged. This space is called the transactional distance (Moore & Kearsley, 1996). The lightboard lecture recordings can help reduce this transactional distance mimicking traditional classroom teaching and providing the teaching presence that is important when teaching online." *11th International Technology, Education and Development Conference*, 2017.

Fiorella and Mayer found that videos where the instructor writes and draws in real time improve learning more than static images such as a PowerPoint screencast video. *Fiorella, L and Mayer, R (2015). Journal of Educational Psychology*, 108(4), 528.

Powerful online and in a classroom



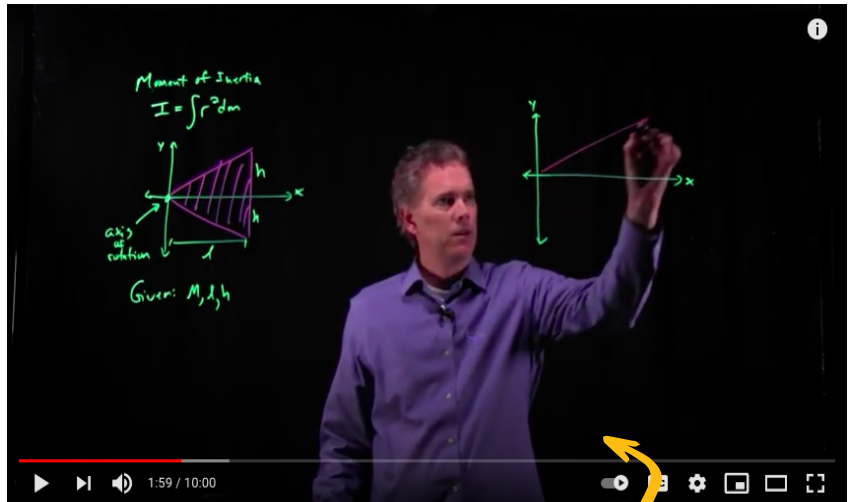
Teacher and student stay connected

Proven in research, and practice

Professor Matt Anderson was instrumental in inspiring eGlass. His physics lectures on Youtube attract nearly 95,000 subscribers. Perhaps the best testament to the efficacy of the lightboard is in the comments to his seminars. Here's a sampling.

"You are great!! Amazing videos thank u!"

"Best physics lessons on youtube!"



Professor
Matt Anderson

eGlass at a glance

35" and 50" sizes available

Adjustable in-glass lighting

Gives the neon ink an eye catching glow.

Fold-out camera

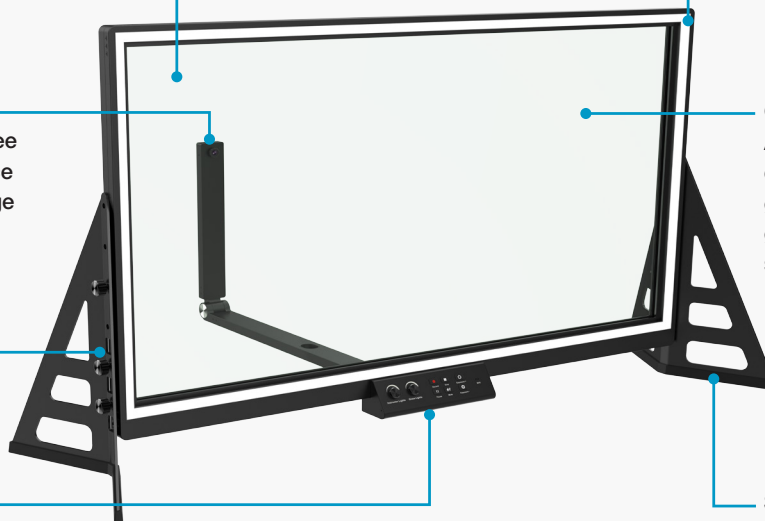
The 4K polarized, distortion-free lens captures the teacher's face and writing, then flips the image so the writing isn't backwards.

USB connection

Plug in for use with a PC, Mac, or Chromebook.

Control panel

One-touch lesson recording, lighting and camera adjustments, and a built-in microphone.



Adjustable instructor lighting

Brightens up the instructor's face.

ChromaClear™ technology

A combination of illumination, digital imaging and optics that give writing a magical neon glow, and eliminate erasing smudges.

Sturdy support legs

Fully adjustable for the perfect height. Optional adjustable stand available.

This is worth a conversation.

Because of overwhelming demand, eGlass units are being preferentially allocated to buyers able to commit to district-wide orders.

If you'd like to demo eGlass and get on the list for expedited delivery, let's talk.

Contact us at sales@hovercam.com