

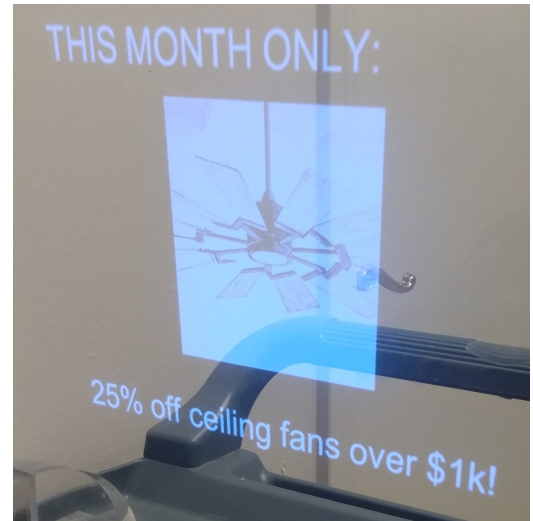
MEDIAGLASS TRANSPARENT DIGITAL SIGNAGE

Turns COVID virus barriers into fully transparent digital screens!

COVID has been reducing customer interaction and loyalty to retail stores. Masks and thick screens impede communication. Paper signage attached to screens, while functional, doesn't reflect well on the store's brand.

MediaGlass allows stores, banks, restaurants, ticket/box offices or other public venues project information onto the screen, either as a static message or in rotation, for example store commercials and COVID regulations for retail, mortgage rates for banks, etc.

This impressive, patented technology differentiates and bolsters the brand of retail establishments using it, making them look better than competing retail establishments. In an era where retail is struggling to improve customer engagement and excite lockdown-weary customers, Sun Innovations provides a solution to inspire the curiosity of customers in a manner which makes the on-screen messaging memorable and effective!



MediaGlass provides eye-catching see-through projection!

How's it work?

This patented technology uses a special LED-DLP projector, wifi networkable, and Sun's patented display film. The film can readily be installed on any flat surface. A key point of differentiation is that the film is completely clear with no haze; some competing technologies use a cloudy film which catches and scatters part of visible, projected light, while the rest of the light goes through the film. Sun Innovations proprietary emissive film changes the wavelength of all the projected light from invisible to visible, converting *all* the projected light so the film lights up for all viewers; other technologies only catch part of the projected light, letting the rest pass through the film. This makes the display more professional-looking, leaving viewers delighted and amazed, wondering how visible images pop up on the glass. It's so high tech it appears magic, making the messaging more impactful.

<p>Improve OSHA and COVID compliance with rotating multilingual safety messaging</p>	<p>Brand appeal is magnified by novel display technology; projectors are networkable as shown in this example.</p>	<p>In-store FAQ, promotions, checkout list, and DOOH advertising displays boost revenue!</p>	<p>Full color projection is also possible with MediaGlass, albeit at somewhat higher cost than monochrome.</p>

"Now I have the ability not only to move a sign physically so I can better catch your eye, but catch it every few seconds if I change the message. If an ad is bombing at the cash register, we just change it instantly and I don't have to go through a production of paper."

Macy's Senior VP

Patents	Sun has been granted 8 US patents and another 8 Chinese patents on its core film technology for fundamental innovations covering the principle of emissive projection display, as well as the materials, screens, display components, color rendering methods, black and transparent display screens, and various applications.
Competing Technologies	Read our competitive product benchmarking analysis at: http://www.sun-innovations.com/index.php/technology/advantages
Awards & Honors	Sun Innovations completed 2 Phase II SBIR Award funded by the National Science Foundation (NSF) to develop the key nano-materials and screens. Sun Innovations' EPD technology has been selected as a recipient of an 2011 R&D 100 Award. The technology has been covered by media including ABC, FOX news, CNN, MIT Technology Review, etc.

Specifications

PROJECTOR	Specification
Display technology	TI DLP LightCrafter E4500MKII
Physical resolution	WXGA (1280x800)
Light source	UV LED (405nm)
Brightness (output power)	2W
Throw ratio	1.2
Image offset	0%
Image size	12.8"@0.3m
Working distance	0.15~0.4m
Aspect ratio	16:10, 4:3
Dimension (W x H x D, mm)	122mm x 115mm x 48mm

FILM	B405	R405	W405
Screen Material	PET	PET	PET
Display Color	Blue	Red	White
Screen Body Color	Colorless	Colorless	Virtually Colorless
Visible Transmittance*	>85%	>75%	>78%
Optic Haze Level	~1%	~2%	~2%
Adhesive Option	Available	Available	Available
UV Protection	Optional	Optional	Optional
Scratch-Resistant Hard Coating Option	Available	Available	Available
Excitation wavelength	410 nm	404 nm	405 nm
Emission wavelength	474 nm	616 nm	Multiple lines
Reflectance (Anti-Reflective Option Available)	~5%	~5%	~5%
Absorption Efficiency (405 nm)	>99%	>99%	>99%
Screen Thickness (microns)	50	60	60