

seymour § screen excellence

See and hear the difference . . .



Image and Acoustic Perfection

"Their acoustically transparent screens are the things award banquets are made for."

- Seth Schnaible, Widescreen Review





Seymour-Screen Excellence leads the industry with reference-quality projection screens. Founded from the inventor of the woven acoustically transparent screen and featuring the latest innovations from the U.S. and Europe, our Enlightor™ and Ambient-Visionaire™ screen materials are utilized in the world's leading mastering studios and recognized as best in class. We bring the same technology used to create your favorite movies to reference home and commercial theaters worldwide.

Enlightor™ Acoustically Transparent (AT) Screens

When image AND sound quality are the first and foremost

Seymour-Screen Excellence acoustically transparent (A.T.) projection screens are the most advanced available. Our woven screen fabrics enable you to properly size the image for an immersive, cinematic experience while providing a reference quality picture and sound.



§ Enlightor-4K ISF-certified, ultra-fine weave with no minimum seating distance for resolutions beyond 4K. Gain 0.98, -2.0dB average attenuation, the only AT screen without phase or frequency effect.



§ Enlightor-Bright The highest gain fine weave screen available anywhere. Gain 1.1, -1.5dB average attenuation, benign 20kHz roll-off.



§ Enlightor-PRO Commercial size woven screen. Gain 0.9, Commercial woven AT screen material available up to 20' tall seamless. Used in the world's premier mastering studios.

CHRIS WYLLIE

**S.E.A.L. AV
ISLANDIA, NY**

For your custom installation, what features do you favor in your projection screens?

Sound is just as important as picture. When I replaced the vinyl perf screen in my demo room with the Seymour-Screen Excellence Enlightor-4k screen, there was a tremendous improvement in sound quality. It's as if the sound system had been upgraded. From a visual perspective, it is also important not to see holes on the screen surface itself. S-SE's Enlightor screen surface has remarkable clarity and brightness to it. This is extremely important to me.

And form factor: some of the curved screens on the market have too large of a footprint. The form factor of Seymour's Absolute is smaller, which has tremendous value in being able to provide a screen larger than before.

Ambient-Visionaire™ (ALR) Screens



§ Ambient-Visionaire Silver

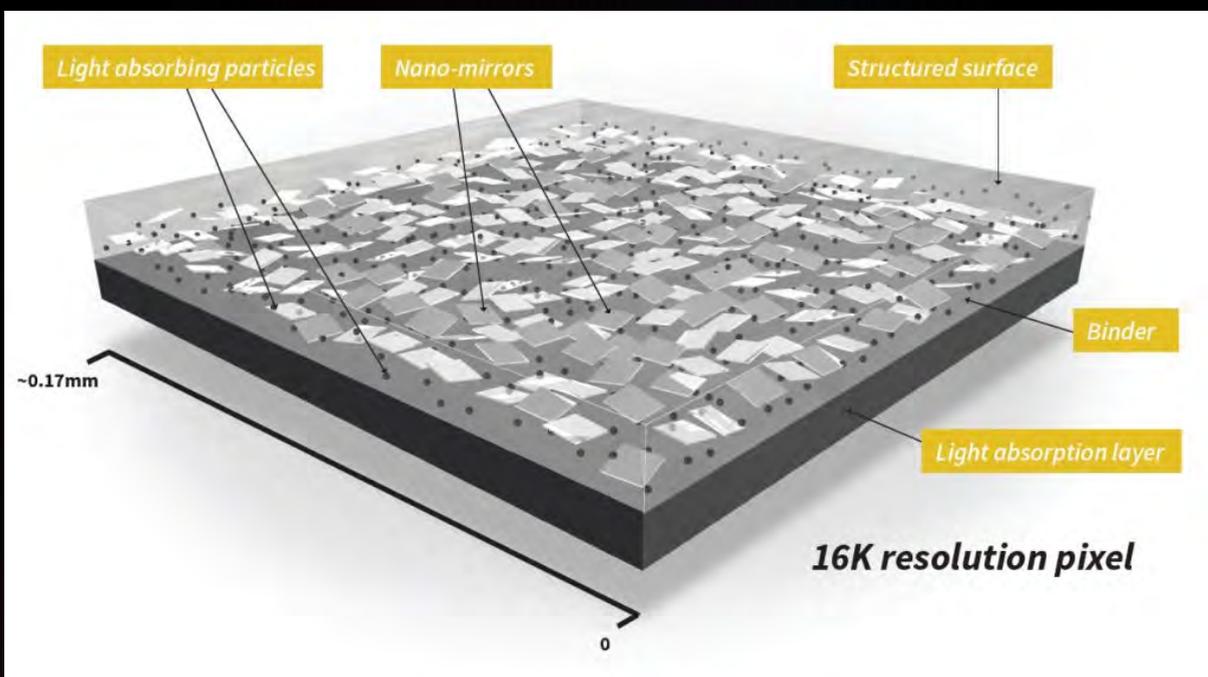
Our silver 2.1 and 1.3 gain Ambient-Visionaire™ material offers the latest, most advanced ambient light filtration technology available. We deposit billions of nano-mirrors onto the surface, dithered at the desired viewing angle, and layered so that side light (from any direction) will be absorbed by carbon particles and the substrate. By shrinking the reflective elements down to less than 1/10 the smallest size visible by the human eye, the screen cannot create a discrete sparkle. They are so small and dense, that a 16K resolution pixel would have over 300 mirrors to itself. A 4K pixel would have nearly 5000. With this more efficient method of selectively reflecting the projected image versus ambient light, the screen offers the reference quality color uniformity that Seymour-Screen Excellence is known for without color shift, sparkles or ringing. Topping the screen material is a durable surface that can be wiped down and cleaned with common household cleaners including isopropyl alcohol.

Winner - Top Pick Ambient-Visionaire Black 1.2 *"This is the best execution of ambient light rejection and lumens utilization I have yet experienced, that being with lights on." "Game changer" severely understates it. Highly recommended - can't exaggerate it enough.* - Michael Hamilton, Sound & Vision, 3/16



§ Ambient-Visionaire Black

Our black 1.2 gain material offers the most effective ambient light filtration available in an optical screen. With a deep background that absorbs 90% of ambient light from any direction, an aggressive combination of carbon particles and stacked, dithered nano-mirrors, you can get a 12x improvement in contrast ratios in environments that are otherwise unsuited to front projection use, even outdoors.



Fixed Frame

Reference Fixed (RF)

- § **Enlightor-4K fabric**
- § **Groove tensioning system**
- § **3.75" wide Infinite Black™ velvet border**
Frames the image with bold overscan absorption.
- § **2.5" deep, 8-piece frame, masking panel option**

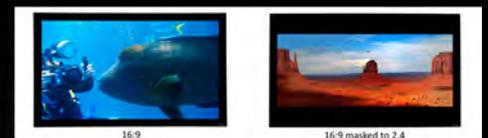


The Enlightor-4K fabric is held under permanent tension by a rigid aluminum frame that combines boldness in design, strength to span 300" without sag. The 3.75" wide frame is coated in our Infinite Black™ velvet which absorbs 99.7% of the incident light, creating the perfect black border.

Series-3

Our mid-size extrusion offers flexibility to handle all we have to offer. Available with both attachment techniques, the Series-3 scales up to 210" wide in a four-piece construction.

- § **Enlightor-4K fabric** With the optional groove tensioning, EN-4K can be used for closer viewing distances.
- § **Enlightor-Bright, Ambient-Visionaire, and Radiant fabrics** The post and grommet attachment method brings the easiest attachment available.
- § **3.3" wide Infinite Black™ velvet border**
- § **1.6" deep, 4-piece frame, masking panel option**



Series-2

Our thinner extrusion features post and grommet attachment method in a frame appropriate for smaller screens and multipurpose rooms, and the maximum image sizes available in the Ambient-Visionaire material.

- § **Enlightor-Bright, Ambient-Visionaire, and Radiant fabrics**
- § **2.6" wide Infinite Black™ velvet border**
- § **1.3" deep, 4-piece frame**

VistaCurve



Seymour-Screen Excellence's VistaCurve™ fixed frame projection screens have been designed to provide the perfect match to images projected through an anamorphic lens. Ideal cinematic projection is achieved only with Cinema Scope aspect ratio, which is the format adopted for production of most large-budget films. The unique immersion provided by the widescreen imaging is further enhanced by a curved screen, as the edges of the screen define a more lifelike and enveloping space.

Perfectly correlated to the panamorphic projection, the VistaCurve with RF frame offers four different radii to match the geometry of the image. The VistaCurve in Series-3 offers a 40 foot radius.

§ RF frame option

installations.

Enlightor-4K, with four, shallower radii for larger

§ Series-3 option

gradual enough for large installations and non-lens, zooming users.

Available in the Series-3 frame, the Ambient-Visionaire materials can be used in shorter throw ratios and elimination of hot-spotting due to the curvature. A curved Ambient-Visionaire black 1.2 screen is an excellent solution in a multipurpose lit room.



True Aspect Masking – 1 T



Imaging is optimum when the projected image is exactly bordered by our Infinite Black™ velvet borders, providing a significant contrast enhancement together with a real focus on the image. With the varying aspect ratios of movies, the True Aspect Masking screen masks to adjust the black borders of the image to its actual size.

The new TAM-1 T is designed to be the simplest, most sophisticated motorized masking system available, at economical pricing. The constant width TAM-1 T screen uses one acoustically transparent mask on the top. Numerous positions such as 1.78, 1.85, 2.35, and 2.40 can be achieved through automation control.

The True Aspect Masking screen is an acoustically transparent projection screen using the Enlightor-4K screen fabric, provided with an electronically controlled automated mask for complete, versatile masking with any home automation system. It can also be simply controlled by IR or RF remotes.

Exclusive to Seymour-Screen Excellence is that the frame width is exactly the same (3.75") as the Reference Fixed frame screens, due to it utilizing the same frame profile. Only a slightly rearward extension hides the motor and masking assembly, with the total depth being 5.8". When comparing automated masking screens, Seymour-Screen Excellence's TAM screens are the sleekest, most sophisticated available anywhere.

§ **Motorized CW** Numerous pre-programmed positions such as 1.78, 1.85, 2.35, and 2.40 are possible.

§ **Enlightor-4K** The only AT screen material without a minimum seating distance for uncompromised image and sound quality.

§ **Thin (3.75") profile** The slimmest border masking screen available, optionally shipped preassembled.

§ **Infinite Black™ velvet borders** Frames the image with perfect overscan absorption.

§ **Acoustically transparent mask** Allows the freedom to locate your speakers anywhere behind the screen without compromise.

True Aspect Masking – 2TB



The constant width (2TB) screen uses two independent masks on the top and bottom. Numerous positions such as 1.78, 1.85, 2.35, and 2.40 can be achieved through automation control as well as independent asymmetrical control to allow captions to be outside the image. The TAM-2TB screen is a constant width, fully acoustically transparent projection screen using the Enlightor-4K screen fabric, provided with automated top/bottom masks controlled electronically. For versatile masking with any home automation system, it can also be simply controlled by dry contacts, IR or RF remotes, Vdc trigger or RS-232.

Exclusive to Seymour-Screen Excellence is that the frame width is exactly the same (3.75") as the Reference Fixed frame screens, due to it utilizing the same frame profile. Only a slightly rearward extension hides the motor and masking assemblies, with the total depth being 5.8". When comparing automated masking screens, Seymour-Screen Excellence's TAM screens are the sleekest, most sophisticated available anywhere. Our larger screens even incorporate carbon fiber to give the straightest, thinnest masking edge available in the industry.

§ **Motorized CW** Numerous pre-programmed positions such as 1.78, 1.85, 2.35, and 2.40 are possible as well as independent asymmetrical control to allow captions to be outside the image.

§ **Enlightor-4K** The only AT screen material without a minimum seating distance for uncompromised image and sound quality.

§ **Thin (3.75") profile** The slimmest border masking screen available, optionally shipped preassembled.

§ **Infinite Black™ velvet borders** Frames the image with perfect overscan absorption.

§ **Acoustically transparent masks** Allows the freedom to locate your speakers anywhere behind the screen without compromise.

True Aspect Masking – 2L

§ **Motorized CH** Independently controlled, motorized constant image height screen: 2.40 to 16:9 ratio, with preprogrammed intermediate stops.

§ **Enlightor-4K** The only AT screen material without a minimum seating distance for uncompromised image and sound quality.

§ **Thin (3.75") profile** The slimmest border masking screen available.

§ **Infinite Black™ velvet borders** Frames the image with perfect overscan absorption.

§ **Acoustically transparent masks** Allows the freedom to locate your speakers anywhere behind the screen without compromise.



Imaging is optimum when the projected image is exactly bordered by our Infinite Black™ velvet borders, providing a significant contrast enhancement together with a real focus on the image. With the varying aspect ratios of movies, the True Aspect Masking screen masks to adjust the black borders of the image to its actual size.

The True Aspect Masking (2L) screen is a constant height, acoustically transparent projection screen using the Enlightor-4K screen fabric, provided with automated lateral masks controlled electronically. For versatile masking with any home automation system, it can also be simply controlled by dry contacts, IR or RF remotes, Vdc trigger or RS-232.

Exclusive to Seymour-Screen Excellence is that the frame width is exactly the same (3.75") as the Reference Fixed frame screens, due to it utilizing the same frame profile. Only a slightly rearward extension hides the motor and masking assemblies, with the total depth being 5.8". When comparing automated masking screens, Seymour-Screen Excellence's TAM screens are the sleekest, most sophisticated available anywhere.

Built in Iowa, the TAM-2L is either shipped preassembled for simple unpack and hang installation, or split into halves for less accessible spaces.

The Absolute



§ Curved, Motorized CH The industry-reference 4K acoustically transparent screen material in a curved, motorized masking screen. With an immersive curved image, the Absolute screen is the only motorized lateral masking system that returns to a fully-closed position to protect the screen layer and hide the screen when not in use. The acoustically transparent masks are independently controlled and adjustable for any aspect ratio from 2.37 to zero.



True Aspect Masking – 4

§ **Motorized all sides** Numerous pre-programmed positions such as 1.78, 1.85, 2.35, and 2.40 are possible.

§ **Enlightor-4K** The only AT screen material without a minimum seating distance for uncompromised image and sound quality.

§ **Thin profile** The slimmest border masking screen available, optionally shipped preassembled.

§ **Infinite Black™ velvet borders** Frames the image with perfect overscan absorption.

§ **Acoustically transparent masks** Allows the freedom to locate your speakers anywhere behind the screen without compromise.



Perfectly reflecting the director's choices, the new True Aspect Masking (TAM) 4-way screen gives you the exact same image area for any aspect ratio between 16:9 and 2.40. No longer will you be disappointed that a new movie doesn't fit your screen or utilizes less area. With the revolutionary TAM-4 constant area screen you can simply sit back and enjoy the content as it was created, on the same reference quality Seymour-Screen Excellence material that the film was mastered in.

We took the industry's thinnest border and most sophisticated frame design and added a secondary set of masks without appreciably increasing the hardware area. With the sleek 4-4.8" border and same 5.8" depth, the TAM-4 screen maximizes the available image space in the installation, as well as maximizes the legendary acoustical transparency Seymour-Screen Excellence is renowned for. The narrowest masking bar in the industry (1") can span even our largest sizes straightly due to the larger sizes incorporating carbon fiber. Maximum image, maximum acoustics. That's what every home cinema strives for.

The constant area (CA) screen uses four independent acoustically transparent masks. It is therefore the ideal match with any lens which can zoom from standard 16:9 to "scope" ratio content which varies up to 2.40. As standard, we construct the screen at a native 2.07 ratio ensuring that the resulting image area is the same no matter what is displayed. However, since every screen is a custom product we can start with a native 16:9 frame, 2.0 or 2.40 ratio.

Exclusive to Seymour-Screen Excellence is that the frame width is nearly the same (4" sides, 4.8" top/bottom) as the Reference Fixed frame screens, due to it utilizing the same frame profile. Only a slightly rearward extension hides the motor and masking assemblies, with the total depth being 5.8". When comparing automated masking screens, Seymour-Screen Excellence's TAM screens are the sleekest, most sophisticated available anywhere.

Reference Motorized

§ **Velvet borders** The only retractable screen in the world with fabric velvet borders allow for complete overscan absorption. Nothing gives you the light absorptive power of black velvet fabric. Black paints look grey in comparison to our two inch black velvet fabric. We have patented tension features that allow the velvet borders to hide the tab tensioning, roll up flat with the screen material, and give you the sharp-edged, high-contrast image "pop" that only the best fixed frame screens can offer.



§ **Stealth Uni-tab™ tensioned** Patented stealth uni-tab tensioning hides most of the tension system behind the screen for a concealed, sophisticated look, minimal width penalty, and no hourglass shape. Continuous tensioning along the uni-tab eliminates edge pulling distortion and puckering.

§ **Enlightor-4K** The industry reference ultra-fine weave without a minimum seating distance. S-SE manufactures the only retractable acoustically transparent screen with an ultra-fine weave material for resolutions beyond 4K.

§ **Integrated black backing layer** Allows use in front of flat panels and light colored surfaces.

§ **Extruded aluminum case, premium finishes** Thick wall, custom extruded aluminum cases available with satin black powder coat, or optional Infinite Black velvet, hardwood and custom finishes.



Multi-Format Retractable (MFR)

An option for the motorized electric screens adds an acoustically transparent secondary masking layer on a front roller. The MFR is sold with either a lateral system (two side masks) to display 16:9 while maintaining a constant image height on a 2.37 screen, or a horizontal system (one top mask) to display 2.40 while maintaining a constant image width on a 16:9 screen. Either of the masking options descends and ascends via a second roller, hidden in the double-deep, on-ceiling case.

The MFR perfectly achieves the same performance and multiple aspect ratio conveniences of our home theater-optimized Reference Fixed-Frame series. This is a win for homeowners that want to experience these same attributes in a non-dedicated room, such as a living or multipurpose room, where the film screen can drop in front of a flat-panel with the speaker locations no longer an issue and completely disappear when not in use.





"This is the fourth such material I've reviewed to-date and it is clearly the best so far." "What Seymour is offering here is all the performance of the top reference-level screens with the addition of light-rejection." "This product earns my highest recommendation." - Chris Eberle, Secrets of Home Theater, May 16, 2016, Silver 1.3



BEST IN CLASS, Ambient-Visionaire Silver 1.3, "This material was very color neutral. This is a less aggressive alternative to a (unrecommended) Black Diamond." - W. Jeff Meier, reference calibrator to over 2,000 theaters, Silver 1.3



(Winner - Top Pick!) "Seen from front-on or within the maximum viewing radius in my room of around 75 degrees, this is the best execution of [ambient] light rejection and lumens utilization I have yet experienced, that being with lights on." "'Game changer' severely understates it. Highly recommended - can't exaggerate it enough." - Michael Hamilton, Sound & Vision, March 2016, Black 1.2



(Winner - Top Pick!) "The Seymour-Screen Excellence's Reference Series Enlightor-4K screen would definitely be on my list if I went that route for a permanent, dedicated theater installation." - Tom Norton, Sound & Vision, April 2014. **S** "The new [Enlightor-4K] screen itself, though, is an unqualified success. I really can't overstate how terrific it looks or how smoothly and quietly it works, and how easy this makes big-screening in a multi-purpose room." - Daniel Kumin, Sound & Vision, March 2015.



"Wisdom Audio, Runco and Seymour-Screen Excellence (on a 21 foot Enlightor-4K acoustically transparent screen) delivered the best large venue home theater experience I have ever had."

- Gary Reber, editor



"The foundation of the MFR is S-SE's Enlightor-4K woven-fabric acoustically transparent film screen surface. This 0.98 gain surface is both ISF-certified for color purity and has no visible holes, weave, texture, or minimum seating distance." Residential Systems, May 2013



"Seymour-Screen Excellence showed its new, acoustically transparent screen that does the job without an obvious weave or visible perforations." - Tom Norton, Sound & Vision, September 2012



"Hiding the speakers behind an acoustically transparent screen heightens this effect. Projecting the image on a curved screen makes it even better. Now Seymour-Screen Excellence has combined both those techniques in the Absolute Acoustically Transparent home theater screen." - Grant Clauser, Electronic House, August 2012



"I used the JVC XC70 with a 120-inch Seymour-Screen Excellence Enlightor-4K screen. This acoustically transparent screen is constructed of such an invisible micro weave that you need to put your nose on it to see the texture. I could pull my seat two feet closer from where I normally sit with my DLP projector, for a more immersive experience." - Grant Clauser, CE Pro, August 2012



EDITOR'S PICK: "The quality of the sound was unaffected by the material, and only required a level adjustment to match speakers not behind the screen." - Grant Clauser, CE Pro, May 2012





"The Seymour-Screen Excellence Enlightor-4K material proved that it could deliver on both picture and sound fronts by displaying a gorgeous, rich picture that wasn't marred by the presence of speakers placed at an unnatural level." - Grant Clauser, Electronic House, February 2012



"Steven Carter of JVC told Inside CI that he's delighted with the performance of the screen, both with Full HD 2D and 3D source material. So much so that the TAM-CH is now a permanent part of the brand's 4K home cinema demonstration suite." - Steve May, Inside CI, January 2012



"You can put your nose right up to the screen and not see a hole anywhere. It does look like a solid-surface screen." "Because there are no traditional holes in this fabric, sound travels through the screen material differently. There is attenuation, but it is a relatively uniform full-range attenuation from low bass to high frequencies. That means no tonal change to the system. And it also means that a simple level change of +2dB is all you need..." "The performance of the S-SE screen is clearly better than acoustically transparent alternatives." "The Seymour-Screen Excellence Enlightor-4K screen provided a much-improved viewing experience compared with other acoustically transparent screens... In fact, it was so good, that for the first time ever, I started to dream about a room remodel that would place the screen in a cinema-like 'stage' with nothing visible but the screen." "...these are certainly the best images I've seen from an acoustically transparent screen so far." - Doug Blackburn, Widescreen Review, November 2011

Frame, materials and options availability

	Reference Frame (RF)	Series-3	Series-2
Enlightor-4K	Yes	Yes	No
Enlightor-Bright	No	Yes	Yes
Ambient-Visionaire	No	Yes	Yes
Radiant	No	Yes	Yes
Masking Panels	Yes	Yes	No
VistaCurve	Yes	Yes	No

Screen Material Specifications, Recommendations

	Benchmarked Gain	Unbenchmarkd Gain	Min Seating	Max Height	AT?	Ambient Light?	View Angle	Min Throw
Enlightor-Bright	1.1	1.0	12'	94"	Yes	No	160°	n/a
Enlightor-Pro	0.9	0.8	9'	236"	Yes	No	180°	n/a
Enlightor-4K	0.98	0.75	n/a	120"	Yes	No	180°	n/a
Ambient-Visionaire	2.1		n/a	60"	No	Moderate	50°	2 x W
	1.3		n/a	60"	No	Moderate	70°	1.6 x W
	1.2		n/a	60"	No	Severe	45°	2 x W
Radiant White	1.3	1.1	n/a	80"	No	No	160°	n/a
Radiant Gray	0.8	0.8	10'	80"	No	Minimal	160°	1.5 x W

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