

seymour § screen excellence

See and hear the difference . . .



Level III CEDIA Best Home Cinema Winner,
Audio Images, Tustin, CA

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-Neo** Our ultra-fine weave took the industry's go-to choice since 2010 (Enlightor-4K), and improved it in every way. The gain is up 10% to 1.0, the acoustical transparency is +0.5dB, the thread finish is matte, and the weave is designed to reduce sparkle from direct RGB laser projectors. With no minimum seating distance, its -1.5dB flat attenuation is 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.

Radiant (non-AT) Screens

§ **Radiant White** Our Radiant series of non-AT screens are now perfectly smooth, to eliminate any possibility of texture or blurring of any resolution. The Radiant White is a bright white screen with a perfectly uniform 1.3 gain.

§ **Radiant Gray** Especially important in gray screens, the Radiant Gray has a perfectly smooth surface to eliminate any possibility of texture. The 0.8 gain surface can offer up to a -36% reduction in room splash contamination, so if you have plenty of lumens and some non-ideal conditions (lighter room colors, a little ambient light), the Radiant Gray keeps your contrast levels up. It's also designed for use with ultra-short (UST) projectors.

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.

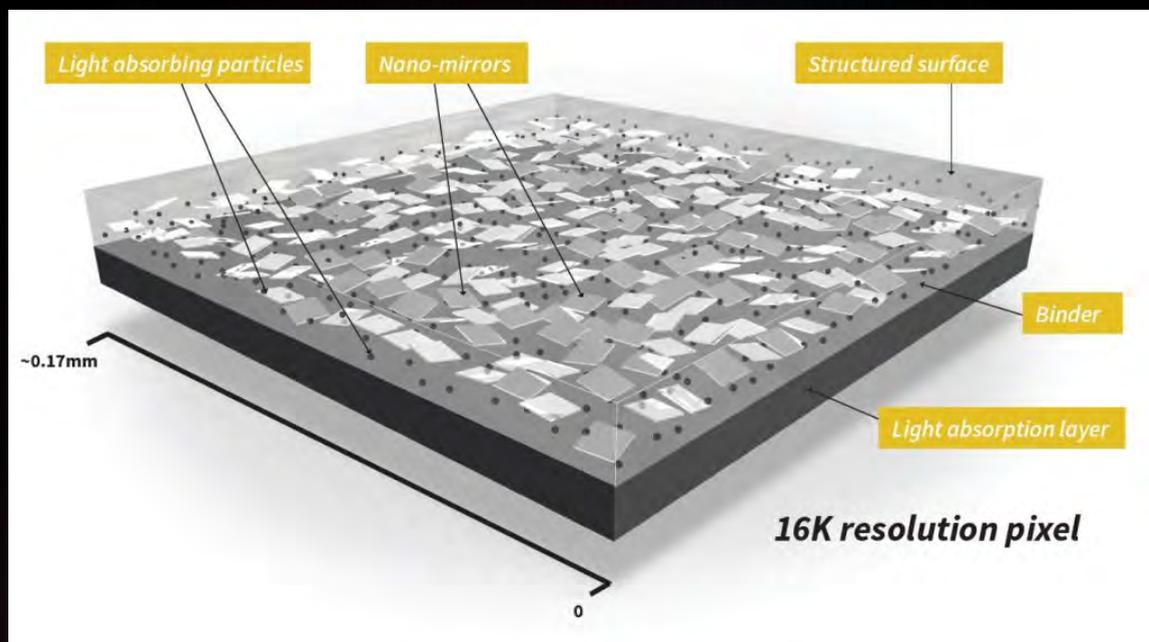
Winner - Top Pick Ambient-Visionaire Black 1.2 *"This is the best execution of ambient light rejection and lumens utilization I have yet experienced, that being with lights on." "Game changer" severely understates it. Highly recommended - can't exaggerate it enough.* - Michael Hamilton, Sound & Vision



§ 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.

Our new black 0.9 brings wider angles for larger screens, for when a large, smooth, mild ALR is needed.



Fixed Frame

Reference Fixed (RF)

- § **Enlightor-Neo fabric**
- § **Grip channel 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-Neo fabric is held under permanent tension by a rigid aluminum frame that combines boldness in design and strength to span over 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-Neo fabric** With the optional groove tensioning, EN-Neo 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. The economical choice.

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

Series-1

Our thinnest extrusion offers flexibility to handle all we have to offer. Available with both attachment techniques, the Series-1 scales up to 200" wide in a four-piece construction with removable trim.

§ **Enlightor-Neo fabric** With the optional groove tensioning, EN-Neo 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.

§ **1.5" wide Infinite Black™ removable velvet border**

§ **1.6" deep, 4-piece frame / 4-piece trim, masking panel and lighting kit options**



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. 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** Enlightor-Neo, with four, shallower radii for larger installations.

§ **Series-3 option** All screen materials available in a curve that's dramatic for smaller screens yet 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.



Trim Masking

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 Trim screen masks to adjust the black borders of the image to its actual size. Our miniaturized Trim platform features removable velvet borders at the most economical pricing available on the market, from our Iowa factory for your custom requirements.



§ Motorized CW or CH Available in either side-masks (constant height), or top/bottom masks (constant width), with numerous pre-programmed positions such as 1.78, 1.85, 2.35, and 2.40.

True Aspect Masking – 1 T



The simplest model in our mid-size masking platform, the True Aspect Masking (TAM) -1 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-Neo 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.

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

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-Neo 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". Our screens have the thinnest masking edge available in the industry. 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 as well as independent asymmetrical control to allow captions to be outside the image.

§ **Enlightor-Neo** The only AT screen material without a minimum seating distance or frequency effect 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.

True Aspect Masking – 2L

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

§ **Enlightor-Neo** The only AT screen material without a minimum seating distance or frequency effect, 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-Neo 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 shipped split into the masking sections and separate middle splice bars for less accessible spaces and a more compact crate size.

The Absolute



§ Curved, Motorized CH The industry-reference 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-Neo** The only AT screen material without a minimum seating distance or frequency effect, for uncompromised image and sound quality.

§ **Thin 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.



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. 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.

Adjustable Ratio Theater

- § **Motorized flexibility** One, two, three or four-way, with masking down to 1.33 ratio for screens up to 20 feet high.
- § **Enlightor-Neo** The only AT screen material without a minimum seating distance or frequency effect, for uncompromised image and sound quality.
- § **Enlightor-PRO** For screens from 10 to 20 feet high, we use the same woven screen the major mastering studios use.
- § **Infinite Black™ velvet borders** Frames the image with perfect overscan absorption, featured on removable panels for easy servicing.
- § **Acoustically transparent masks** Allows the freedom to locate your speakers anywhere behind the screen without compromise.
- § **On-site factory installation assistance** Since the ART is such a customized product going into especially important installations, as a standard option we're including on-site factory support.

Introducing the largest of our three masking platforms, the new Adjustable Ratio Theater (ART) is the most capable masking screen in the industry for the most discerning screening rooms. With build-on-wall design, the ART can be configured in a two way (top/bottom or side masking) or four way so that the viewer can be free from undersized images no matter what the director intended. Available up to twenty feet tall with the same seamless Enlightor woven acoustically transparent screen material that our major mastering studio clients use, you can now get an integrated masking screen up to thirty feet wide, including the classic 4:3 masking ratio.

The ART also features removable velvet borders, carbon fiber masking bars, silent motors, unlimited intermediate positions and every control option. It can be constructed for flat-wall or aperture mount style configuration.



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-Neo** 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.



Two thirds of CEDIA Best Home Cinema Award winners used Seymour-Screen Excellence



(Winner - Top Pick of The Year!) "The impressive Seymour-Screen Excellence Ambient Visionaire Black 1.2 light-rejecting screen was also a genuine revelation."



"I was seriously impressed by this projection screen." "It does very obviously do exactly what Seymour-Screen Excellence claims it will do, reject significant amounts of off-axis ambient light, maintaining better image contrast ratios. Highly recommended..." - Doug Blackburn, Ambient-Visionaire Black 1.2



"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, Silver 1.3



Frame, materials and options availability

	Reference Frame (RF)	Series-3	Series-2	Series-1
Enlightor-Bright	No	Yes	Yes	Yes
Enlightor-Neo	Yes	Yes	No	Yes
Ambient-Visionaire	No	Yes	Yes	Yes
Radiant	No	Yes	Yes	Yes
Masking Panels	Yes	Yes	No	Yes
VistaCurve	Yes	Yes	No	No
Bias Lighting	Yes	No	No	Yes

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-Neo	1.0	0.8	n/a	120"	Yes	No	180°	n/a
Enlightor-Pro	0.9	0.8	9'	236"	Yes	No	180°	n/a
Ambient-Visionaire	2.1		n/a	60"	No	Moderate	50°	1.8 x W
	1.3		n/a	60"	No	Moderate	70°	1.5 x W
	1.2		n/a	60"	No	Severe	45°	1.9 x W
	0.9		n/a	90"	No	Moderate	90°	1.4 x W
Radiant White	1.3	1.1	n/a	86"	No	No	160°	n/a
Radiant Gray	0.8	0.8	n/a	86"	No	Minimal	160°	n/a

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2207 229th Place | Ames, IA 50014 | 515.450.5694 | www.s-se.us