

Stewart

Filmscreen Corporation®



Quality & Experience



Over 55 Years Experience

Stewart has over 55 years experience in manufacturing the best projection screens. This family owned corporation maintains the highest standards in screen manufacturing and customer service.



Exceptional Credentials

Through the 55 years of manufacturing, Stewart Filmscreen has earned multiple awards with very upstanding companies and industries. Stewart Filmscreen's position as a Quality Leader in the industry, is maintained through a commitment to continuous improvement of all manufacturing and service processes.

Leading the Industry

The technicians and engineers building your projection screen systems are literally the same people building screens for Mission Control (NASA), flight simulators, AMC theaters, a "Circle Vision" for Disney's EPCOT Center, Disney California Adventure Park and special effect screens for Lucasfilm. Only Stewart Filmscreen has the capabilities to build custom screens for these unique projects and manufacture your custom designs with the same quality.



WHY STEWART

Built to Last

A quality Stewart screen will last years longer than projection system technologies. Invest in the best, and you will save precious time and money in the future.

Custom Made

All Stewart projection screens are custom made. Highly skilled craftsmen produce projection screens from quality raw materials. We create the screen in-house from start to finish. You are not limited to off the shelf products, sizes or styles, because we design and custom produce to your specifications upon request.

Attention to Detail

During each manufacturing step, Stewart inspects every inch of your screen to maintain it's superb quality. Quality speaks inside and out. Therefore, all parts of the screen and mounting system are manufactured to perfection.

Raw Material Quality

Raw materials are inspected rigorously to insure an excellent final product.

In-House

All Stewart screens are produced in-house, using techniques and special production processes that are unique.

Seamless Screens

Projection screens must be seamless to insure image quality. Stewart Filmscreen manufactures seamless screens up to 40' x 90' (12m x 27m).

Rolled for Protection

After building a perfect screen, it must be handled with care. We do not fold screens, which can create creases and wrinkles. Stewart Filmscreen manually rolls each screen making sure no bumps, wrinkles or scrapes will damage your screen.

Easy Assembly

If you decide to assemble the screen yourself, Stewart Filmscreen makes this process simple with color coded framing instructions. The screen is also marked to insure correct positioning in your custom frame.

Packaged with Care

Time and care is put into packaging each screen. Everything is wrapped internally with paper, plastic or foam, with extra packing between pieces. All screens are boxed custom to your order. We want to insure your screen will not be damaged in transit.

Stewart Guarantee

Stewart Filmscreen provides the best warranty in the industry. We are always here to answer your calls with any concerns, comments and questions.

Screen Performance

Stewart screens are designed to optimize the performance of all video projectors on the market. Whether it's a CRT, LCD, DLP or D-ILA projector, Stewart manufactures a screen type to maximize your professional needs.

BASIC PROJECTION SCREEN TECHNOLOGY

Stewart Filmscreen manufactures many different screen materials and frame systems used for video projection. Each has its own performance capabilities and uses. The following information is only a guide to help determine the right screen material for your environment. Please be aware that environmental elements (such as ambient light, throw distance, projector types, lumens, room decor, personal taste, etc.) may effect the perceived quality of the projected image.

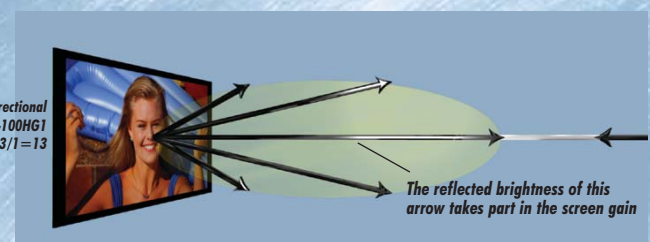
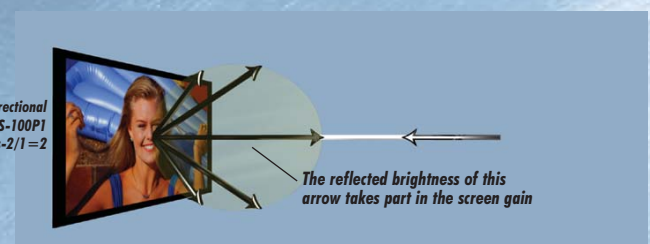
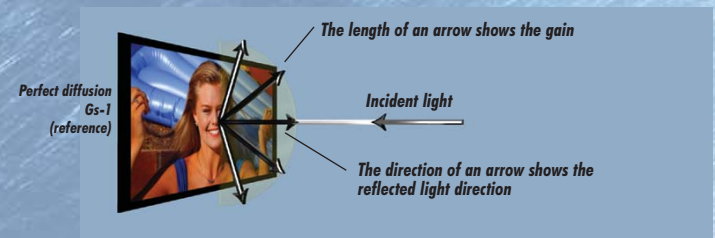
Screen Gain

Gain is the industry term used to measure the amount of light reflecting from a screen surface. No actual light "gain" takes place. Gain is a measure of the relative brightness and directional characteristics of various fabrics. Matte White or unity gain is nominally a 1.0 gain.

The following illustration describes a couple of scenarios of the interaction of gain verses light distribution. The length of the arrow indicates the gain while the direction of the arrow indicates the reflected light direction.

Higher screen gain contributes to higher brightness. However, the higher the screen gain, the narrower the viewing cone. Stewart Filmscreen products are unique in that off axis light losses are minimized at any given value.

When choosing a screen, make sure to consider the screen gain in correlation to the viewing area, room conditions, and the performance of the projector.



Characteristics of Reflection

- Light bounces off at an angle and direction opposite to the angle and direction from which it came relatively
- Unaffected by external light.



GrayHawk flexible screen material

FireHawk flexible screen material

StudioTek 130 flexible screen material

GrayHawk | FireHawk and StudioTek 130

GrayHawk

An innovative new front projection screen material solely designed and engineered to maximize "Image Fidelity" for LCD and D-ILA projection technologies. The material's unique translucent optical coatings, combined with its gray based undercoating, increases image black levels, shadow detailing and overall color saturation, providing the viewer a bright image even in ambient light.

Features:

- Ideal for LCD and D-ILA Projection Systems
- Excellent in Ambient Light
- Increases Black Level, Shadow Detailing, and Overall Color Saturation
- Washable
- Flame Retardant

Performance

Projection Screen
Perforations
Framing and Design

Masking
Gain
Half Gain
Recommended Viewing Cone
Seams

**Seamless screens up to 40ft x 90ft*

Response

Flexible front projection
Available in Microperf
Available in fixed and retractable models
Available
.95
.48 @ 40°
160 Degrees
None

FireHawk

Finally, a screen engineered specifically for DLP projection technologies. FireHawk increases black levels, shadow detailing and color saturation. FireHawk maximizes screen brightness at 40% peak foot lambert increase over all existing gray screens. Firehawk preserves image contrast by dampening room cross light reflection as much as 90%. FireHawk also maximizes the screen's passive black level for DLP projectors.

Features:

- DLP Ready
- Increases Black Levels and Color Saturation
- Cross-Light Resistant
- Washable
- Flame Retardant

Performance

Projection Screen
Perforations
Framing and Design

Gain
Half Gain
Recommended Viewing Cone
Seams

Response

Flexible front projection
N / A
Available in fixed and retractable models
1.35
.28 @ 24°
100 Degrees
None

Flexible Front Screen Materials

Seamless Screens up to 40ft by 90ft*



StudioTek 130 / Ultramatte 130*

Ideal for CRT projection systems and wide viewing cones. This screen is generally used with high output broadcast quality projection systems to produce images to the strictest color and white field uniformity standards. Developed under the direction of Joe Kane and certified by the Imaging Science Foundation.

Features:

- Over 30% Brighter than Matte White Screens
- Ideal for CRT Projection
- Washable
- Flame Retardant

Performance

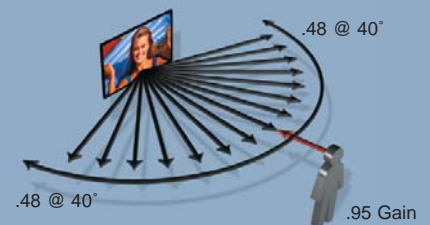
Projection Screen
Perforations
Framing and Design

Masking
Gain
Half Gain
Recommended Viewing Cone
Seams

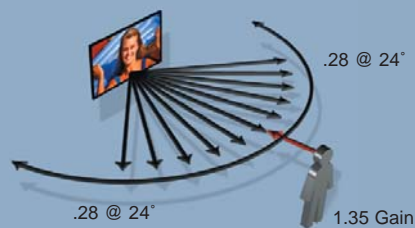
*Seamless screens up to 40ft x 90ft

Response

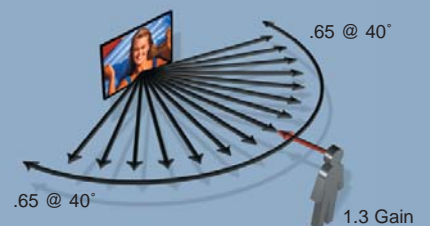
Flexible front projection
Available in Microperf
Available in fixed and retractable models
Available
Gain
1.3
.65 @ 40°
160 Degrees
None



GrayHawk (160°)



FireHawk (100°)



StudioTek 130 (160°)



Commercial
and
Business



Home
Theater



Front
Projection

Ultramatte 150 flexible screen material

Ultramatte 200 flexible screen material

Videomatte 200 flexible screen material

Ultramatte 150 | Videomatte 200 and Ultramatte 200

Ultramatte 150

This screen fabric combines the qualities of StudioTek 130 and the higher gain Videomatte 200. It is a great choice for projectors that employ line doublers and even HDTV images. This is the same screen material that most commercial movie theaters use.

Features:

- 50% Brighter than Standard Matte White Screens
- Washable
- Flame Retardant

Performance

Projection Screen
Perforations
Framing and Design

Masking

Gain

Half Gain

Recommended Viewing Cone

Seams

**Seamless sizes up to 40ft x 90ft*

Response

Flexible front projection
Available in MicroPerf / CinePerf
Available in fixed and retractable models
Available
1.5
.75 @ 35°
140 Degrees
None

Videomatte 200

This screen is color-corrected for CRT video projectors and also works well with slide and film projectors. This is a high gain screen of highest reflectivity that still maintains good off axis viewing. Since it is more reflective, it works harder to brighten up the image. The screen is an excellent choice for installations featuring smaller projectors or when very large image sizes are desired. It is also an excellent choice for LCD projectors and has less "Hotspotting" than competing high gain fabrics.

Features:

- 80% Brighter than Standard Matte White Screens
- Color Corrected for CRT Projectors
- Washable
- Flame Retardant

Performance

Projection Screen
Perforations
Framing and Design

Masking

Gain

Half Gain

Recommended Viewing Cone

Seams

**Seamless sizes up to 40ft x 90ft*

Response

Flexible front projection
Available in MicroPerf / CinePerf
Available in fixed and retractable models
Available
1.8
.90 @ 28°
120 Degrees
None

Flexible Front Screen Materials

Seamless Screens up to 40ft by 90ft*



Ultramatte 200

Works extremely well with slide projectors, LCD projectors and film projectors. It is color corrected for CRT projectors and an excellent choice for large screen formats. The Ultramatte 200 also has less "Hotspotting" than competing high gain fabrics.

Features:

- 100% Brighter than Standard Matte White Screens
- Color Corrected for CRT projectors
- Washable
- Flame Retardant

Performance

Projection Screen
Perforations
Framing and Design

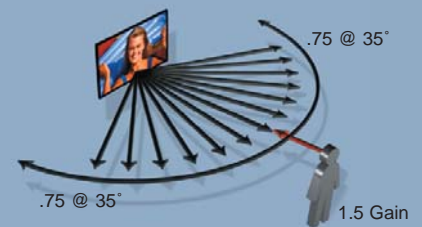
Masking

Gain
Half Gain
Recommended Viewing Cone
Seams

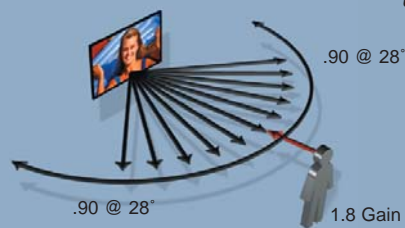
*Seamless sizes up to 40ft x 90ft

Response

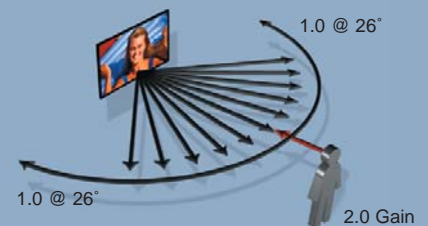
Flexible front projection
Available in MicroPerf / CinePerf
Available in fixed and retractable models
Available
2.0
1.0 @ 26°
120 Degrees
None



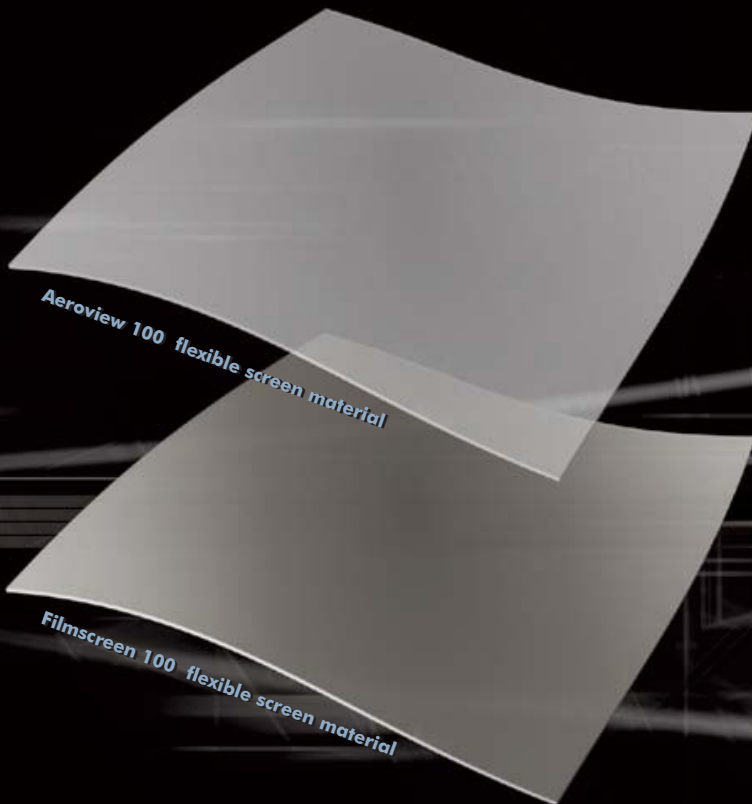
Ultramatte 150 (140°)



Videomatte 200 (120°)



Ultramatte 200 (120°)



Aeroview 100 and Filmscreen 100

Aeroview 100

With excellent white field uniformity, Aeroview 100 is ideal for data, video, film and slide projection where ambient light is controllable. This flexible rear projection material is also available on glass & acrylic substrates. It provides an extremely wide viewing angle for wide seating plans.

Aeroview 100 is the material of choice for almost all simulation applications.

Features:

- Anti-Hotspotting Formulation
- Custom Run Specific Gain (minimum size 9' X 12')
- Washable
- Flame Retardant

Performance

Projection Screen
Perforations
Framing and Design

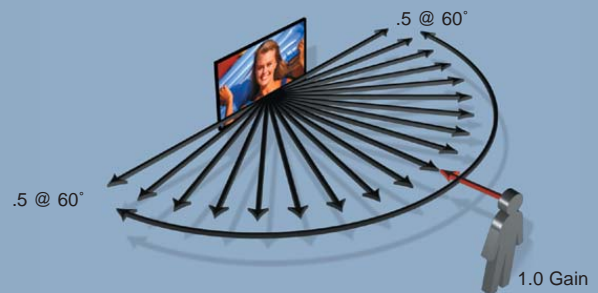
Masking

Gain
Half Gain
Recommended Viewing Cone
Seams
Reflective/ Back Scatter
Substrate

Response

Flexible rear projection
N / A
Available in fixed and retractable models
Available
1.0
.5 @ 60°
180 Degrees
None
.27
Available in flexible*, acrylic or glass

***Seamless screens up to 40ft x 90ft (flexible)**



Recommended Viewing Cone : 180°
Available on glass & acrylic substrates
Rigid Frame options available on page 40 and 41.

Rear Screen Materials

Seamless Screens up to 40ft by 90ft*



Filmscreen 100

Filmscreen 100 is a new flexible rear diffusion projection material. It is formulated with a neutral grey tint for additional contrast. Filmscreen 100 is excellent in rooms with wide viewing angle and where moderate ambient light is a concern.

Features:

- Anti-Hotspotting Formulation
- Excellent in Moderate Ambient Light Environments
- Dark Tint for Additional Contrast
- Washable
- Flame Retardant

Performance

Projection Screen
Perforations
Framing and Design

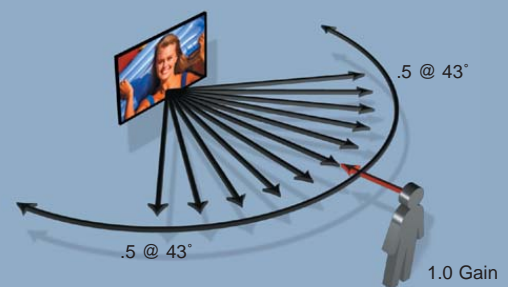
Masking

Gain
Half Gain
Recommended Viewing Cone
Seams
Reflective/ Back Scatter
Substrate

*Seamless screens up to 40ft x 90ft (flexible)

Response

Flexible rear projection
N / A
Available in fixed and retractable models
Available
1.0
.5 @ 43°
100 - 120 Degrees
None
.18
Available in flexible*, acrylic or glass



Recommended Viewing Cone : 100°-120°
Available in glass & acrylic substrates
Rigid Frame options available on page 40 and 41.



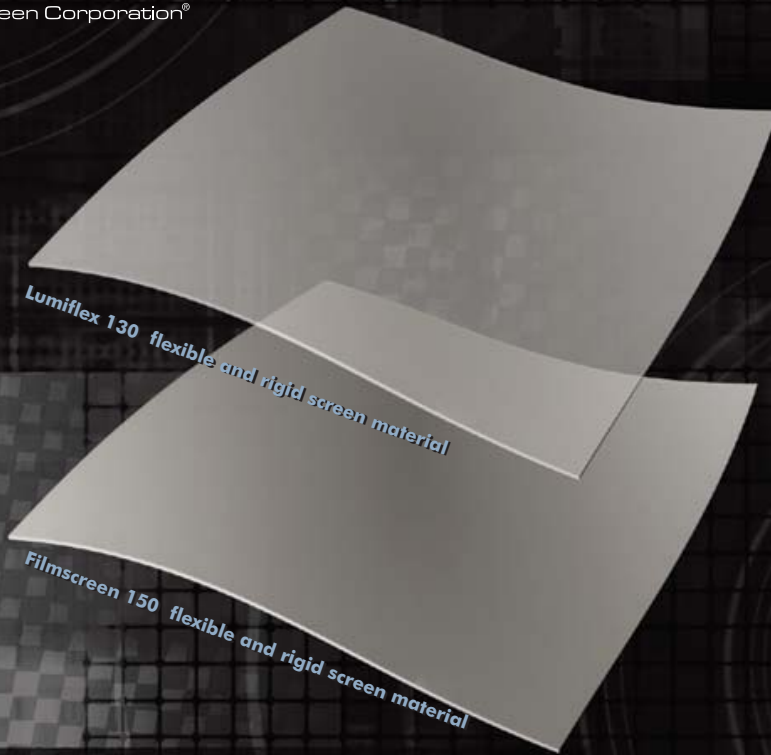
Commercial
and
Business



Home
Theater



Rear
Projection



Lumiflex 130 and Filmscreen 150

Lumiflex 130

This flexible rear projection material is used most in rear projection business applications. Ideal for data, video, film and slide projection where ambient light is controllable. It provides an extremely wide viewing angle for wide seating plans.

Features:

- Custom Run Specific Gain (minimum size 9' X 12')
- Washable
- Flame Retardant

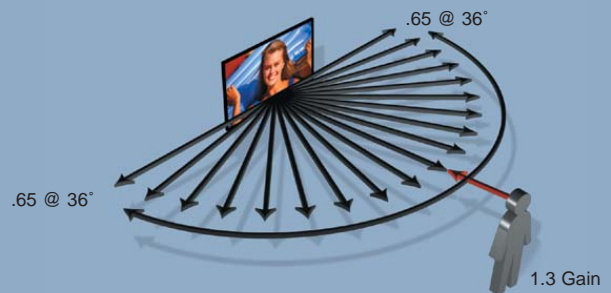
Performance

Projection Screen
Perforations
Framing and Design
Masking
Gain
Half Gain
Recommended Viewing Cone
Seams
Reflective/ Back Scatter
Substrate

Response

Flexible rear projection
N / A
Available in fixed and retractable models
Available
1.3
.65 @ 36°
160 Degrees
None
.18
Available in flexible*, acrylic or glass

***Seamless screens up to 40ft x 90ft (flexible)**



Recommended Viewing Cone : 160°
Available in glass & acrylic substrates
Rigid Frame options available on page 40 and 41.

Rear Screen Materials

Seamless Screens up to 40ft by 90ft*



Filmscreen 150

Filmscreen 150 is a flexible rear projection material formulated with a neutral density gray tint for enhanced contrast. Excellent in rooms where high ambient light is a concern. Appropriate for moderate viewing angles. This material is a perfect choice for passive 3-D applications.

Features:

- Custom Run Specific Gain (minimum size 9' X 12')
- Washable
- Flame Retardant

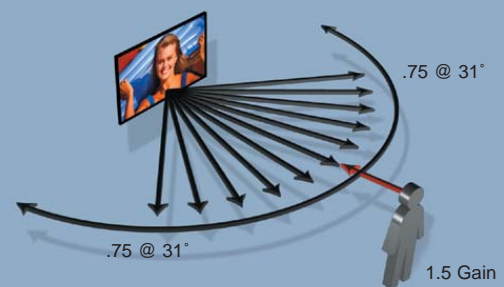
Performance

Projection Screen
Perforations
Framing and Design
Masking
Gain
Half Gain
Recommended Viewing Cone
Seams
Reflective/ Back Scatter
Substrate

Response

Flexible rear projection
N / A
Available in fixed and retractable models
Available
1.5
.75 @ 31°
120 Degrees
None
.13
Available in flexible*, acrylic or glass

*Seamless screens up to 40ft x 90ft (flexible)



Recommended Viewing Cone : 120°
Available in glass & acrylic substrates
Rigid Frame options available on page 40 and 41.



Commercial
and
Business



Home
Theater



Rear
Projection

Graphite 70 | Graphite 100 and BlackHawk Xtreme

Graphite 70

The Graphite 70 has an excellent wide angle viewing cone, deep black level and high ambient light resistance. This innovative screen material utilizes a specially formulated diffusion surface layer fused on an elite acrylic substrate. Graphite SL 70 perfectly displays a bright uniform image with rich black levels.

Features:

- Excellent performance with short focal length lens
- Ambient light resistance
- High contrast optical coating
- Superior backscatter rejection
- Excellent white field uniformity
- Extra wide angle viewing
- Anti-hotspotting
- Optional Fresnel backing

Performance

Projection Screen

Perforations
Framing and Design

Masking

Gain

Half Gain

Recommended Viewing Cone

Acrylic Size Restrictions

Seams

Reflective/ Back Scatter

***Seamless sizes up to 6ft x 10ft, OD**

Response

Acrylic rear projection screen with optional Fresnel backing

N / A

Available in a variety of rigid screen frames

Available

.70

.35

100°-120°

6' x 10'

None

.12

Graphite 100

The first acrylic rear projection screen line embedded with new contrast enhancing technology. Graphite 100 has an excellent wide angle viewing cone, deep black level and high ambient light resistance. This innovative screen utilizes a specially formulated diffusion surface layer fused on an elite acrylic substrate.

Features:

- Excellent performance with long throw length lens
- Ambient light resistance
- High contrast optical coating
- Superior backscatter rejection
- Excellent white field uniformity
- Extra wide angle viewing
- Anti-hotspotting
- Optional Fresnel backing

Performance

Projection Screen

Perforations
Framing and Design

Masking

Gain

Half Gain

Recommended Viewing Cone

Acrylic Size Restrictions

Seams

Reflective/ Back Scatter

***Seamless sizes up to 6ft x 10ft, OD**

Response

Acrylic rear projection screen with optional Fresnel backing

N / A

Available in a variety of rigid screen frames

Available

1.0

.50

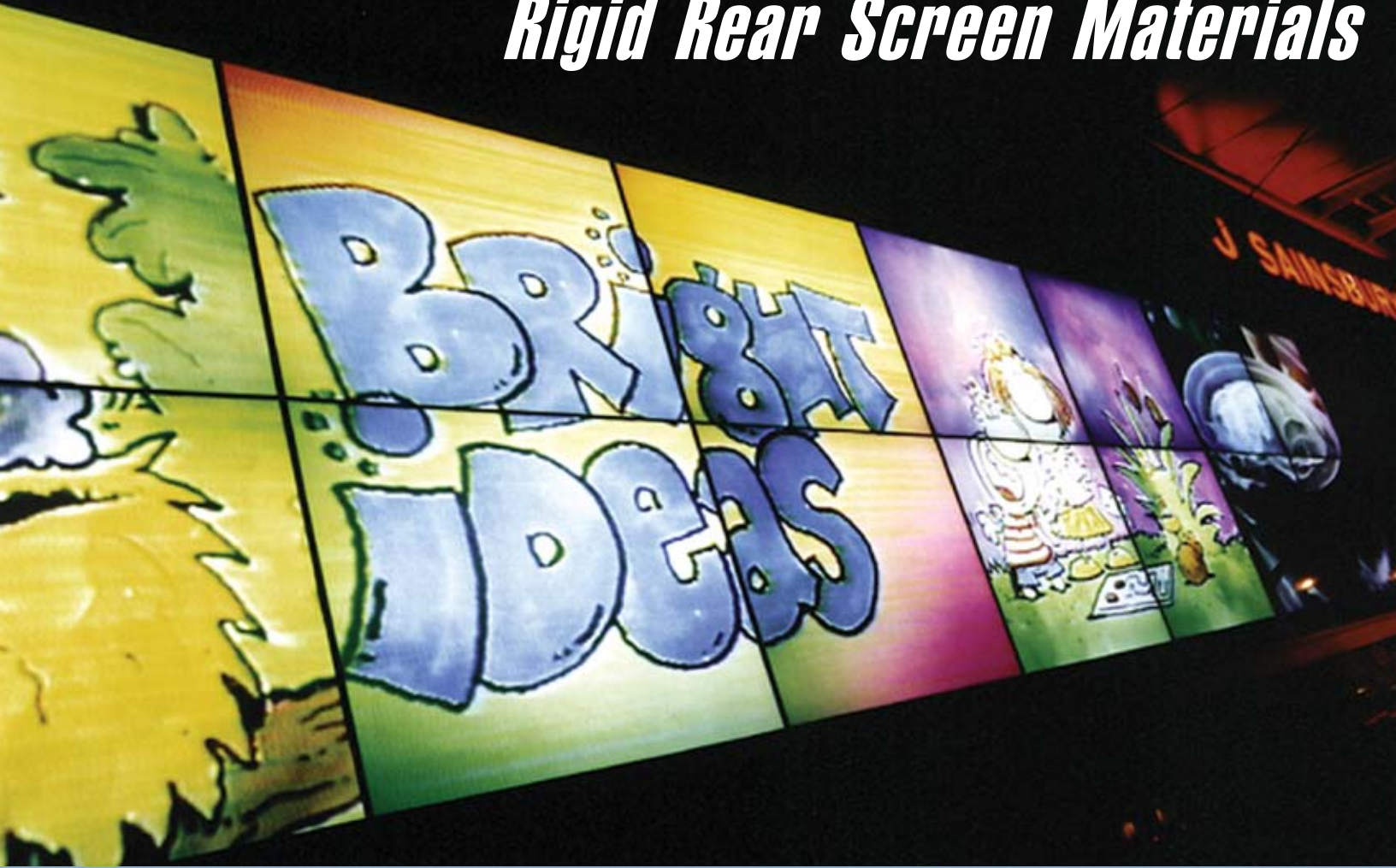
100°-120°

6' x 10'

None

.12

Rigid Rear Screen Materials



BlackHawk Xtreme

BlackHawk Xtreme™ is available with or without a Fresnel lens. BlackHawk Xtreme™ with the Fresnel lens consists of two layers with an inward Fresnel. The ultra fine pitch Fresnel lens (recommended for short throw projection) distributes the projected image through a thin layer of optical beads, which focuses the light and sends it through the black layer on the front of the screen. Both versions are available up to a maximum size of 48" x 64".

Features:

- High contrast screen
- High resolution
- Optional Fresnel backing
- Excellent white field uniformity
- High ambient light resistance
- Extra wide angle viewing
- Extreme black levels

Performance

Projection Screen

Perforations
Framing and Design

Gain
Half Gain
Recommended Viewing Cone
Seams

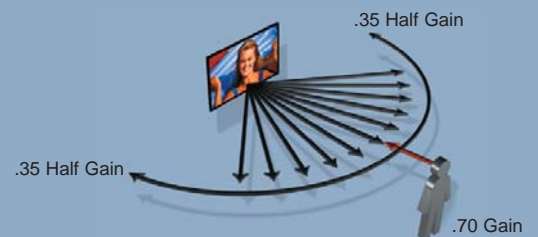
*Seamless sizes up to 48in x 64in, OD

Response

Acrylic rear projection screen with optional Fresnel backing

N / A
Available in P1500, P200,
Wedge and Quick-Stal frames

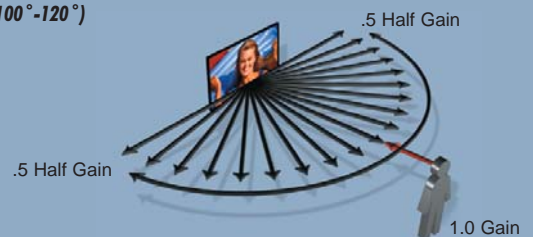
1.0
.5
180° Degrees
None



Graphite 70 (100°-120°)



Graphite 100 (100°-120°)



Blackhawk Xtreme (180°)



Commercial
and
Business



Home
Theater



Rear
Projection



The screen's fresnel lens condenses and directs the incident light from the projector and turns it into a system of parallel light arrays that can be managed through the lenticular lens system. Vertical, parallel lenticular lenses then define all of the entering light and allow it to pass through, giving way to a wide horizontal viewing angle and exceptional image efficiency. The fresnel/lenticular screen distributes the light directly at the viewers, resulting in high brightness and contrast.

Chemical etching on the outer lenticular surface further improves the light distribution of the fresnel/lenticular screen. Specular diffusion of incident and reflected ambient light improves horizontal viewing, reduces glare, decreases apparent screen glossiness and preserves image contrast in high ambient light conditions.

PowerView | Optawave and Microwave

PowerView

This rigid rear projection screen features high light transmission and imparts a high contrast image to the viewer. PowerView rear screens are designed to increase projected image brightness three to four times over conventional diffusion screens.

Features:

- High light transmission
- High gain, high contrast
- No secondary "ghost" images
- Extremely high resolution
- Flawless viewing surface, no distracting artifacts
- Available with dry marker write-on surface shield (sizes up to 6ft. x 8ft.)

Performance

Projection Screen
Perforations
Framing and Design

Masking
Gain
Half Gain
Recommended Viewing Cone
Seamless Size Restrictions
Seams
Horizontal Half Gain
Vertical Half Gain
Fresnel Groove Pitch
Lenticular Pitch
Screen Thickness

Response

Rigid rear optical projection
N / A
Available in a variety of rigid screen frames
Available
.02"
.03"
1/4" (67-125" Diagonal)
3/8" (150-180" Diagonal)

Optawave

The OptaWave large screen display matrix distributes light in an exceptionally wide viewing cone (180 Degrees). A multi-purpose screen, the OptaWave is completely color corrected and excellent for data/graphics displays as well as video

Features:

- High Brightness and Excellent Contrast Ratios
- High resolution
- Super Fine Pitched, Fresnel Lenticular Lens Elements
- A Flawless Viewing Surface without Distracting Visual Artifacts
- Available with Dry Marker Write-On Surface up to 6ft x 8ft

Performance

Projection Screen
Perforations
Framing and Design
Masking
Gain
Half Gain
Recommended Viewing Cone
Seamless Size Restrictions
Seams
Horizontal Half Gain
Vertical Half Gain
Fresnel Groove Pitch
Lenticular Pitch
Screen Thickness

Response

Rigid rear optical projection
N / A
Available in a variety of rigid screen frames
Available
4.0
2.0
180 Degrees
109" x 145"
None
(+ or -) 55 Degrees
(+ or -) 8-10 Degrees
.02"
.03"
1/4" (100-125" Diagonal)
3/8" (150-180" Diagonal)

***Seamless sizes up to 109in x 145in, OD**

Optical Rear Screen Materials



Microwave

Offering detailed images and a wide viewing cone (120 Degrees), MicroWave maintains high efficiency and contrast. Designed and engineered for extremely high resolution, MicroWave is ideal for projection of such complex images as maps, circuitry drawings and technical and training environments.

Features:

- Lenticular Pitch of 0.4mm
- Precise Reproduction of Detail High Light Efficiency
- Fresnel Groove Pitch available in both .02" and .01"
- Available with Dry Marker Write-On Surface up to 6ft x 8ft

Performance

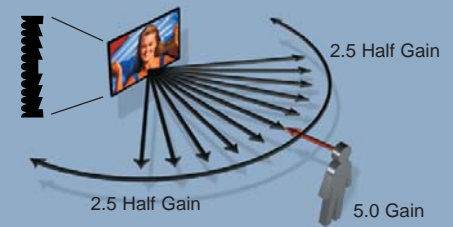
Projection Screen
Perforations
Framing and Design

Masking
Gain
Half Gain
Recommended Viewing Cone
Seamless Size Restrictions
Seams
Horizontal Half Gain
Vertical Half Gain
Fresnel Groove Pitch
Lenticular Pitch
Screen Thickness

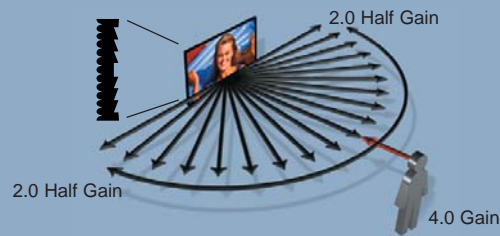
Response

Rigid rear optical projection
N / A
Available in a variety of rigid screen frames
Available
3.0
1.5
120 Degrees
61" x 81"
None
(+ or -) 53 Degrees
(+ or -) 10 to 12 Degrees
.02" or .01"
.0015"
1/4" (67-100" Diagonal)

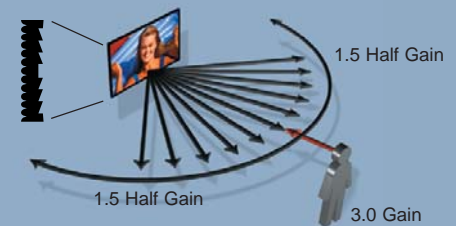
*Seamless sizes up to 61in x 81in, OD



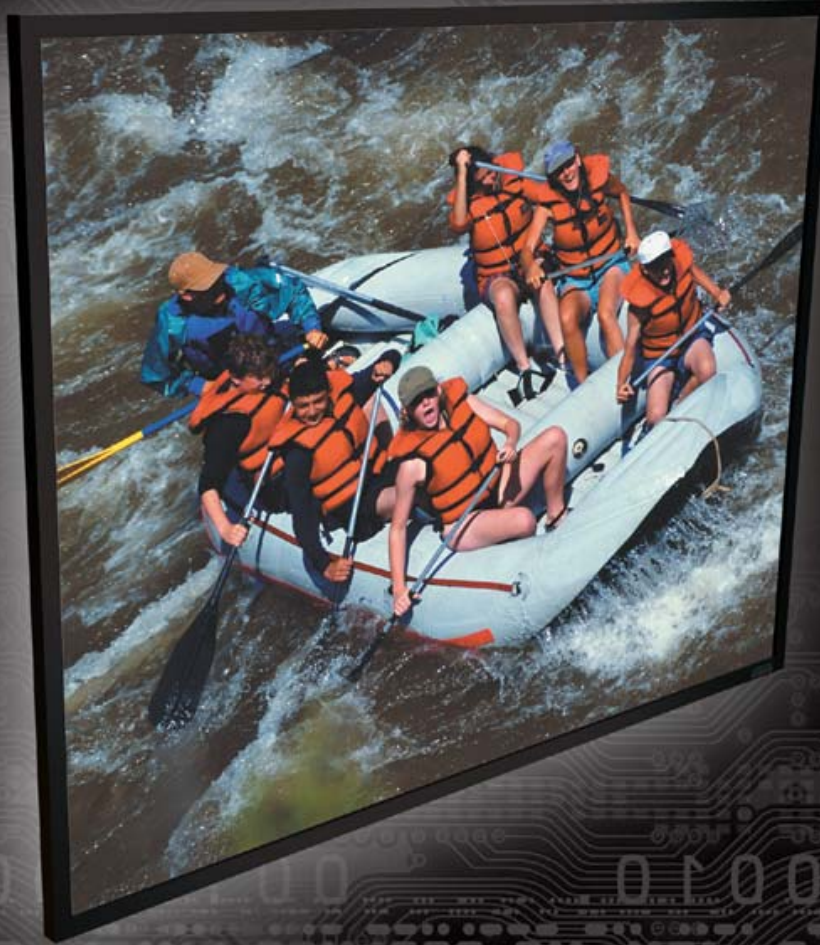
Power View (120°)



Optawave (180°)



Microwave (120°)



Commercial
and
Business



Home
Theater



Front
Projection



Rear
Projection

Luxus Screenwall



Elegant Appearance

The Luxus Screenwall is designed to provide a clean, professional appearance and is engineered for ease of assembly and installation.

Don't Worry About Over-Scanning

Stewart Filmscreen's VeLux™ black velvet appliqué absorbs over-scanning and adds a luxurious feel to the frame of the Luxus ScreenWall.

Insist On The Best

Optimize your Luxus Screenwall system with a Stewart Academy Award® winning screen material, securely attached using our unique hidden snap fastening system.

Incomparable Quality

Stewart's superior craftsmanship and use of the finest materials, assure an enduring viewing experience.

Fixed Screens



Formats

Video (1.33:1)
HDTV (1.78:1)
Widescreen (1.85:1)

Finishes

VeLux™ Appliqué Included

Screen Materials

Front Projection	Gain	Viewing Cone
GrayHawk	.95	160°
StudioTek / Ultramatte 130	1.3	160°
FireHawk	1.35	100°
Ultramatte 150	1.5	140°
Videomatte 200	1.8	120°
Ultramatte 200	2.0	120°

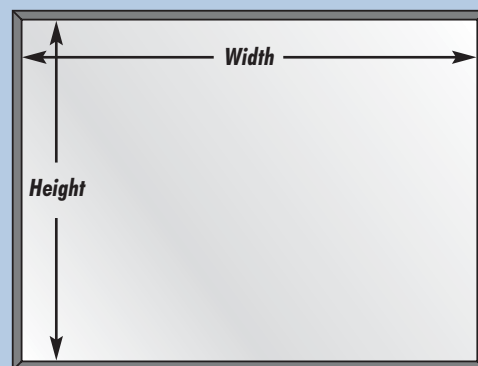
Perforation Front Projection

Ultra 2 MicroPerf Optional
IBX CinePerf Optional

Rear Projection	Gain	Viewing Cone
Aeroview 100	1.0	180°
Filmscreen 100	1.0	100°-120°
Lumiflex 130	1.3	160°
Filmscreen 150	1.5	120°

Mounting Hardware

Wall Mount / Brackets Included
Aperture Mount Optional
Free Standing (T-Stands) Optional
Hanging (Eyebolts) Optional



Formats	Min-Max Height	Min-Max Width
Video Format	36"-90"	48"-120"
HDTV	40.5"-66"	72"-118"
Widescreen	39"-66"	72"-122"

(Size height and width depends on model chosen.
Custom sizes available with no extra charge.)



All aluminum extrusion with snap fastening system, providing a secure screen attachment.



Commercial
and
Business



Home
Theater



Front
Projection



Rear
Projection

Luxus Deluxe Screenwall



Closer Is Better

Like a picture frame, the wide beveled fascia of the Luxus Deluxe Screenwall brings the frame close to the screen, dramatically setting off the image.

Don't Worry About Over-Scanning

Stewart Filmscreen's VeLux™ black velvet appliqué absorbs over-scanning and adds a luxurious professional feel to the frame of the Luxus Deluxe Screenwall.

Incomparable Quality

Every Luxus Deluxe is meticulously hand crafted, assuring you a flawless frame. By building the Luxus Deluxe Screenwall to order, we can offer a myriad of front projection image sizes up to 144" (3650mm) x 192" (4880mm) in the aspect ratio of your choice.

Insist On The Best

Optimize your Luxus Deluxe Screenwall system with a Stewart Academy Award® winning screen material, securely attached using our unique hidden snap fastening system.

Fixed Screens



Formats

Video (1.33:1)
HDTV (1.78:1)
Widescreen (1.85:1)

Finishes

VeLux™ Appliqué Included

Screen Materials

Front Projection	Gain	Viewing Cone
GrayHawk	.95	160°
StudioTek / Ultramatte 130	1.3	160°
FireHawk	1.35	100°
Ultramatte 150	1.5	140°
Videomatte 200	1.8	120°
Ultramatte 200	2.0	120°

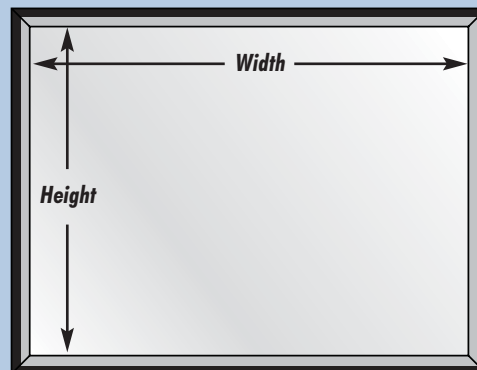
Perforation Front Projection

IBX Ultra 2 MicroPerf Optional
CinePerf Optional

Rear Projection	Gain	Viewing Cone
Aeroview 100	1.0	180°
Filmscreen 100	1.0	100°-120°
Lumiflex 130	1.3	160°
Filmscreen 150	1.5	120°

Mounting Hardware

Wall Mount/Brackets Included
Aperture Mount Optional
Free Standing (T-Stands) Optional
Hanging (Eyebolts) Optional



Formats	Min-Max Height	Min-Max Width
Video Format	36"-90"	48"-120"
HDTV	40.5"-66"	72"-118"
Widescreen	39"-66"	72"-122"

(Size height and width depends on model chosen.
Custom sizes available with no extra charge.)



All aluminum extrusion with Quick Snap fastening system, providing a secure screen attachment.



Commercial
and
Business



Home
Theater



Front
Projection



Rear
Projection

Snapper WrapAround Screenwall



Structure

WrapAround Screenwall features a frameless viewing surface. Flexible front screen material literally wraps around the aluminum frame and is easily secured to the backside with Stewart's hidden snap fastening system.

Architectural Designs

The WrapAround Screenwall is perfect for many custom architectural designs. By providing a frameless viewing surface, unique single and multiple image, viewing environments are achieved.

Superior Advantage

When choosing a Stewart screen always feel confident that you are receiving the best in the industry, not only in quality products but also in superior design assistance. Feel free to request a custom screen design.

Fixed Screens



Formats

Video (1.33:1)
HDTV (1.78:1)
Widescreen (1.85:1)

Screen Materials

Front Projection	Gain	Viewing Cone
GrayHawk	.95	160°
StudioTek / Ultramatte 130	1.3	160°
FireHawk	1.35	100°
Ultramatte 150	1.5	140°
Videomatte 200	1.8	120°
Ultramatte 200	2.0	120°

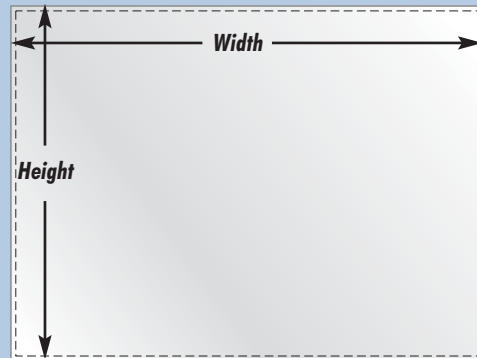
Perforation Front Projection

THX Ultra 2 MicroPerf Optional
CinePerf Optional

Rear Projection	Gain	Viewing Cone
Aeroview 100	1.0	180°
Filmscreen 100	1.0	100°-120°
Lumiflex 130	1.3	160°
Filmscreen 150	1.5	120°

Mounting Hardware

Wall Mount / Brackets Included
Aperture Mount Optional
Hanging (Eyebolts) Optional



Formats	Min-Max Height	Min-Max Width
Video Format	36"-90"	48"-120"
HDTV	40.5"-66"	72"-118"
Widescreen	39"-66"	72"-122"

(Size height and width depends on model chosen.
Custom sizes available with no extra charge.)



All aluminum extrusion with quick snap fastening system, providing a secure screen attachment.

Photo courtesy of The Academy of Motion Picture Arts & Sciences® and Creative Technology



Commercial
and
Business



Home
Theater



Front
Projection



Rear
Projection

AT Frames

The AT Frame series are made with seamless aluminum tubing, heliac welds, shock (stretch) cord and "S" hooks to secure screen edge through grommets. Frame assembles in minutes with factory slip-joint corners.

Each system is designed and built to your individual specification and need. When designing a large fixed projection screen system, please consider the following options: Flat screen; Curved screen, frame can be curved to any radius; Black frame masking; Wrap-Around design, screen fabric wraps around frame perimeter pipe. Perforation available on front projection materials.

AT2 Mitered, AT2 Mitered M, AT2, AT2-M

- Front projection screen OD up to 30' wide (back brace included)
- Rear projection screen OD up to 20' wide (no back brace needed)

Formats

Video (1.33:1), HDTV (1.77:1), Widescreen (1.85:1) Scope (2.35:1)

Features & Specifications

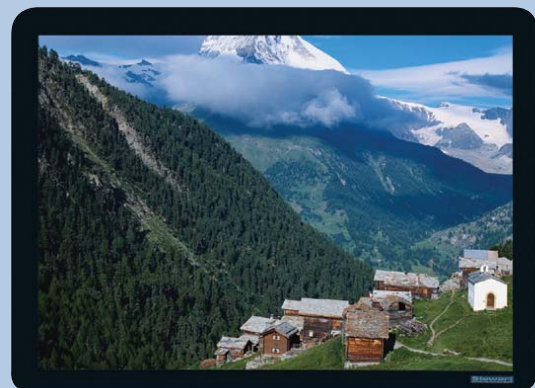
- 2" Diameter Tube
- 6" Black Masking Around Frame Perimeter
- Easy Assembly Slip-Joint Corners

Mounting Option

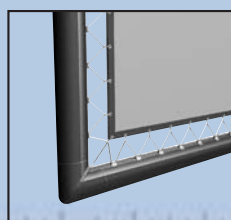
- T-Stands
- Wall Mounts
- Stage-Fly (Eyebolts)



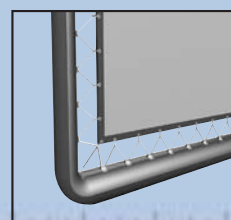
Curved Option



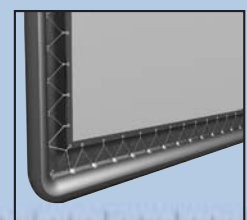
AT2-M Showman Frame



AT2 Mitered
backside view



AT2
backside view



AT2-M
backside view

Fixed Screens

Large Scale Screen Frames



AT3 Mitered, AT3 Mitered-M, AT3, AT3-M

- Front projection screen OD up to 90' wide (back brace included)
- Rear projection screen OD up to 30' wide (no back brace needed)
- Larger Rear projection sizes are engineered to order.

Formats

Video (1.33:1), HDTV (1.77:1), Widescreen (1.85:1) Scope (2.35:1)

Features & Specifications

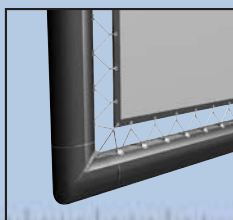
- 3" Diameter Tube
- 8" Black Masking Around Frame Perimeter
- Easy Assembly Slip-Joint Corners

Mounting Option

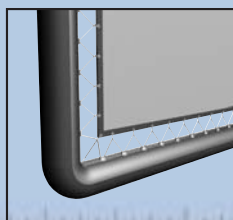
- T-Stands
- Wall Mounts
- Stage-Fly (Eyebolts)



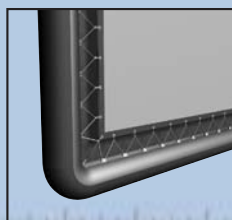
AT3-M Showman Frame



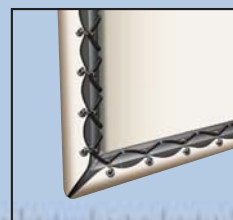
AT3 Mitered
backside view



AT3
backside view



AT3-M
backside view



AT3-M Mitered-W
backside view



Curved Option



Horizontal Screenwall Electrimask



Horizontal masking system in progress



Vertical Screenwall Electrimask



Vertical masking system in progress



Commercial
and
Business



Home
Theater



Front
Projection



Rear
Projection



Remote
Options

Horizontal Screenwall Electrimask

View Flexibility

The Horizontal Screenwall ElectriMask is designed to provide the flexibility of a multiple aspect ratio ElectriMask system with a fixed screen. Aspect ratios from standard NTSC - 1.33:1 up to Cinemascope 2.35:1 and beyond, can be achieved.

ElectriMask System

The ElectriMasks are electronically controlled panels that extend and retract from housings at the top and bottom of the screen frame.

When paired with a projector capable of multiple aspect ratio performance, unsightly gray bars or undesirable cropping of the image area are eliminated, maintaining a picture perfect screen.

Formats

Video (1.33:1)
 HDTV (1.78:1)
 Widescreen (1.85:1)

Mounting Hardware

Wall Mount/Brackets Included
 Aperture Mount Optional

Standard Features

Snap Fastening System
 Horizontal Masking Motor:
 120 Volt = 14 rpm, 1 amp
 220 Volt = 12 rpm, 1 amp

Frame Material

Aluminum Extrusion

Finishes

VeLux™ Appliqué Included

Screen Materials

- Available in any flexible front or rear projection material

Vertical Screenwall Electrimask

Picture Perfect

When paired with a projector capable of multiple aspect ratio performance, unsightly gray bars or undesirable cropping of the image area is eliminated, always maintaining a picture perfect screen.

ElectriMask System

The ElectriMasks are electronically controlled panels that extend and retract from housings at the top of the screen frame. Panels can be automatically operated by low voltage control, infrared remote control or projector screen trigger.

Formats

Video (1.33:1)
 HDTV (1.78:1)
 Widescreen (1.85:1)

Finishes

VeLux™ Appliqué Included

Screen Materials

- Available in any flexible front or rear projection material
- Perforation optional

Mounting Hardware

Wall Mount/Brackets Included
 Aperture Mount Optional

Control Systems: Masking Panels

Video Interface Control	Included
High Voltage Wall Switch	Optional
Low Voltage Control	Optional
Wireless Remote Control	Optional
Infrared Remote Control	Optional

Standard Features

Snap Fastening System
 Vertical Masking Motor:
 120 Volt = 38 rpm, 1 amp
 220 Volt = 32 rpm, 1 amp

Fixed Masking

Horizontal/Vertical Masking Screens



Ultimate 4-Way Screenwall

Formats

Video (1.33:1)
HDTV (1.78:1)
Widescreen (1.85:1)
Cinemascope (2.35:1)

Frame Material

Aluminum Extrusion

Finishes

VeLux™ Appliqué Standard

Screen Materials

- Available in any flexible front or rear projection material
- Perforation optional

Vertical Control Systems : Masking Panels

Video Interface Control	Included
High Voltage Wall Switch	Optional
Low Voltage Control	Optional
Wireless Remote Control	Optional
Infrared Remote Control	Optional

Horizontal Control Systems : Masking Panels

(2) High Voltage Wall Switch	Included
(2) Low Voltage Control	Optional
Wireless Remote Control	Optional
Infrared Remote Control	Optional

Vertical Masking Motor

120 Volt = 38 rpm, 1 amp
220 Volt = 32 rpm, 1 amp

Horizontal Masking Motor

120 Volt = 14 rpm, 1 amp
220 Volt = 12 rpm, 1 amp

Mounting Hardware

Wall Mount/Brackets	Included
Aperture Mount	Optional

Ultimate 4-Way Screenwall

Extreme Viewing Flexibility

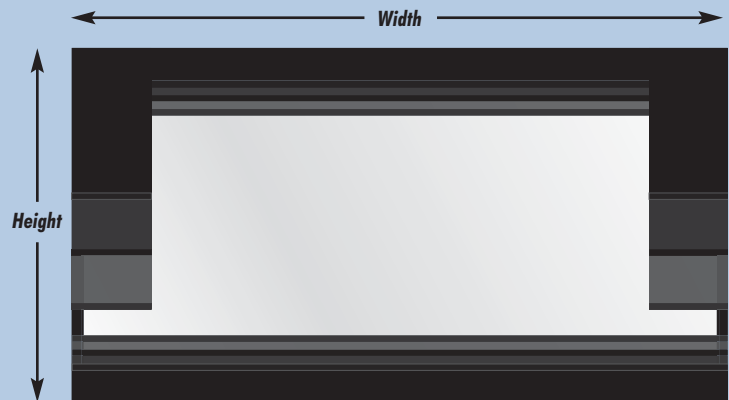
The Ultimate 4-Way Screenwall features both horizontal and vertical masking, providing the ultimate flexibility in aspect ratios. Combining a fixed Screenwall with three individually motorized masking systems, this screen allows for any aspect ratio ranging from 1.33:1 to 2.70:1.

ElectriMask System

The ElectriMasks are electronically controlled panels that extend and retract from housings at the top and bottom of the screen frame.

Picture Perfect

When paired with a projector capable of multiple aspect ratio performance, unsightly gray bars or undesirable cropping of the image area are eliminated. Stewart's exclusive VeLux™ appliqué gives the screen a rich look while absorbing over scanning and producing a razor sharp edge. These combined elements combined create the ultimate picture perfect image.



Formats	Min-Max Height	Min-Max Width
Video Format	49"-66"	65"-88"
HDTV	49"-66"	87"-118"
Widescreen	47"-64"	87"-118"
Cinemascope	37"-50"	87"-118"

(Size height and width depends on model chosen.
Custom sizes available with no extra charge.)



**Commercial
and
Business**



**Home
Theater**



**Front
Projection**



**Rear
Projection**



**Remote
Options**

Luxus Model A and Luxus Model A Classic



Stylish and Professional

Luxus "Model A" ElectriScreen's design is ideal for video production and for multi-purpose use, including film and graphic presentations.

Insist on the Best

Optimize your "Model A" ElectriScreen with a Stewart Academy Award® winning screen material, securely attached using our exclusive Tab-Guy tensioning system, designed to ensure a smooth flat image and to prevent edge curl.

Motorized Roller System

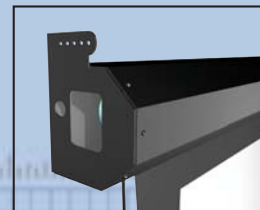
Stewart's motorized roller system provides quiet, reliable screen operation that can be activated by a switch, infrared or remote control, or a projector screen trigger.

Hidden from View

The screen's motorized housing may be placed above the ceiling, with the screen descending through a small slot, wall mounted or concealed behind a decorator fascia or valance that blends with the room décor.



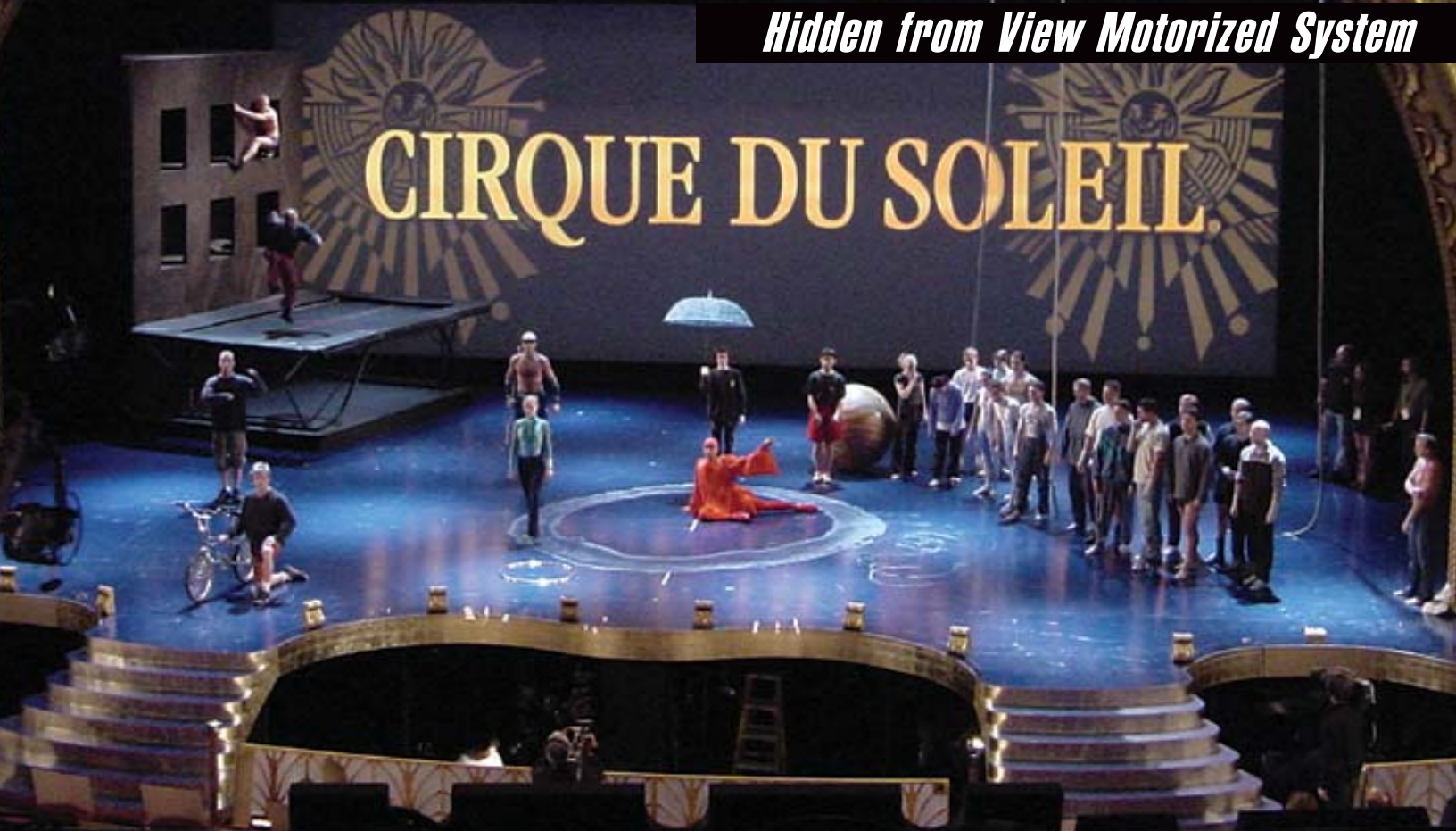
Luxus Model A



Luxus Model A Classic

Retractable Screens

Hidden from View Motorized System



Formats

AV (1:1)
Video (1.33:1)
HDTV (1.78:1)
Widescreen (1.85:1)

Specifications

Case Material Aluminum Extrusion
Case Colors Black, Gray, White
Batten Colors Black, White

Screen Materials

Front Projection	Gain	Viewing Cone
GrayHawk	.95	160°
StudioTek / Ultramatte 130	1.3	160°
FireHawk	1.35	100°
Ultramatte 150	1.5	140°
Videomatte 200	1.8	120°
Ultramatte 200	2.0	120°

Perforation Front Projection

THX Ultra 2 MicroPerf Optional
CinePerf Optional

Rear Projection

	Gain	Viewing Cone
Aeroview 100	1.0	180°
Filmscreen 100	1.0	100°-120°
Lumiflex 130	1.3	160°
Filmscreen 150	1.5	120°

Standard Features

Tab-Guy Tensioning System
Sonic Insulated Screen Drive
Roller Tube System

Screen Motor:

120 Volt = 38 rpm, 1 amp
220 Volt = 32 rpm, 1 amp

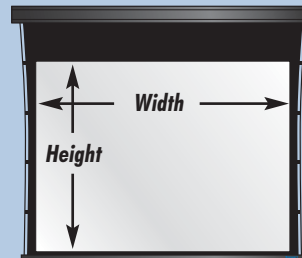
Photo courtesy of The Academy of Motion Picture Arts & Sciences® and Creative Technology

Control Systems: Masking Panels

High Voltage Wall Switch	Included
Infrared Remote Control	Optional
Low Voltage Control	Optional
Wireless Remote Control	Optional
Infrared Remote Control	Optional
Screen Trigger Interface	Optional
Video Interface Control System	Optional

Mounting Hardware

Wall Mount / Brackets	Included
Ceiling Mount	Included
Hanging (Eyebolts)	Optional



Luxus Model A

Formats	Min-Max Height	Min-Max Width
AV	50"-70"	50"-70"
Video	36"-72"	48"-96"
HDTV	40.5"-60"	72"-107"
Widescreen	39"-60"	72"-111"

Luxus Model A Classic

Formats	Min-Max Height	Min-Max Width
AV	84"	84"
Video Format	90"-108"	120"-144"
HDTV	66"	118"
Widescreen	66"	122"

(Size height and width depends on model chosen.
Custom sizes available with no extra charge.)



Commercial
and
Business



Home
Theater



Front
Projection



Rear
Projection



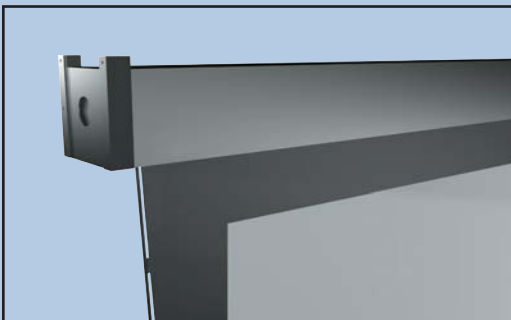
Remote
Options



Model AB | B | C | D

Custom made to your specifications

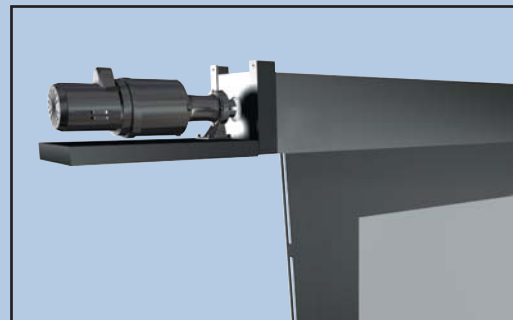
Model AB, B, C, and D are all large scale seamless electricscreens. The screen housings are constructed from all aluminum and fire retardant Sintra. Tab tensioning is standard, preventing edge-curl and ensuring a perfectly flat imaging surface. Screens can be ceiling mounted, recessed, or stage flown. Contact Stewart for more information.



Model AB

Any Screen OD up to 14' high by 18.3' wide.

- 6" Diameter roller tube
- Compact in-tube motor
- 100 Volt, 120 Volt and 240 Volt



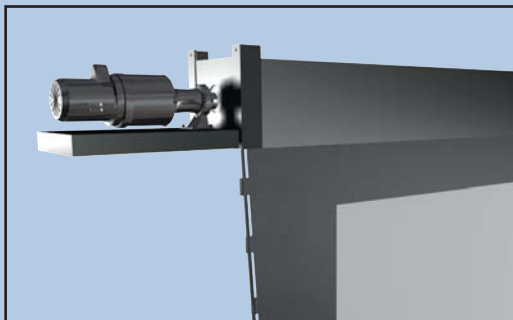
Model B

Any Screen OD up to 18' high by 26'6" wide.

- 6" Diameter "stressed" roller tube prevents roller tube sag, keeping screen flat
- Continuous duty outboard motor and brake system
- 120 Volt and 240 Volt

Retractable Screens

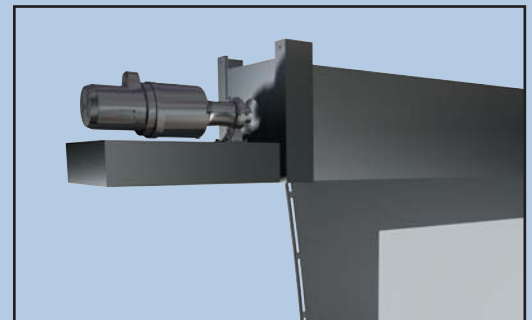
Theater Size Seamless Roller Screens



Model C

Any Screen OD up to 25' high by 39' 6" wide.

- 8" Diameter "stressed" roller tube prevents roller tube sag, keeping screen flat
- Continuous duty outboard motor and brake system
- 120 Volt and 240 Volt



Model D

Any Screen OD up to 25' high by 43' wide.

- 10" Diameter "stressed" roller tube prevents roller tube sag, keeping the screen flat
- Continuous duty outboard motor and brake system
- Low Voltage Control Circuit
- 120 Volt and 240 Volt



**Commercial
and
Business**



**Home
Theater**



**Front
Projection**



**Rear
Projection**



**Remote
Options**

ABT-4 | ABT-6 | ABT-EM Trap Door Electriscreens



ABT-EM Trap Door

Seamless Large Screens

Like all Stewart Filmscreen products, the ABT-4, ABT-6 and ABT-EM are engineered with totally seamless screen materials (this includes masking borders). To prevent edge-curl and insure a flat image, Stewart utilizes our exclusive Tab-Guy Tensioning system.

Hidden From View

Stewart's motorized roller system provides a quiet, reliable screen operation. The screen retracts into an obscure trap door that mounts flush with the ceiling surface and can be painted to blend perfectly, efficiently hiding its existence.

Trap Door Systems

Stewart Filmscreen's trap door systems feature a motorized aluminum trap door which closes when screen is not in use. For flush mount installations, the system also features a builder-friendly hidden alignment ring around the box perimeter.

ElectriMask System

The ABT-EM utilizes Stewart's horizontal or vertical masking system. ElectriMasks are electronically controlled panels that extend and retract from the housing.

Retractable Screens

Hidden from View Motorized System



Formats

Video (1.33:1)
HDTV (1.85:1)
Widescreen (1.85:1)

Frame Material

Aluminum Extrusion

Finishes

VeLux™ Appliqué Optional

Screen Materials

Front Projection

	Gain	Viewing Cone
Grayhawk	-	-
Firehawk	-	-
StudioTek / Ultramatte 130	1.3	160°
Ultramatte 150	1.5	140°
Videomatte 200	1.8	120°
Ultramatte 200	2.0	120°

Perforation Front Projection

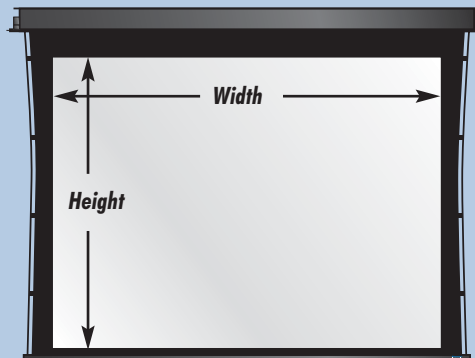
THX Ultra 2 MicroPerf Optional
CinePerf Optional

Rear Projection

	Gain	Viewing Cone
Aeroview 100	1.0	180°
Filmscreen 100	1.0	100°-120°
Lumiflex 130	1.3	160°
Filmscreen 150	1.5	120°

Mounting Hardware

Wall Mount / Brackets Included
Aperture Mount Optional



Formats	Min-Max Height	Min-Max Width
ABT-4	54"-108"	100"-144"
ABT-6	88"-144"	163"-192"
ABT-M	43"-72"	67"-122"

(Size height and width depends on model chosen.
Custom sizes available with no extra charge.)



Visionary ElectriScreen



Case and screen may ship separately as needed

Hidden from View

The Visionary features a self-finishing, seamless bottom plate and factory preset drywall and plaster flange stops to accommodate various ceiling configurations. An ideal choice when the screen needs to disappear when not in use.

Motorized Roller System

Stewart's motorized roller system provides a quiet, reliable screen operation that can be activated by a switch, infrared or remote control, or a projector screen trigger.

Simplicity

Stewart Filmscreen's Visionary ElectriScreen is the most innovative and installation friendly screen available. Designed for new construction or installations where the screen needs to be retro-fitted, the case is available to install in advance to eliminate exposing the imaging surface to construction dust and dirt.

Insist on the Best

Optimize your Visionary ElectriScreen with a Stewart Academy Award® winning screen material, securely attached using our exclusive Tab-Guy tensioning system designed to prevent edge curl and ensure a smooth flat image.

Retractable Screens

Hidden from View Motorized System



Formats

Video (1.33:1)
HDTV (1.78:1)
Widescreen (1.85:1)

Specifications

Case Material Aluminum Extrusion
Case Colors Black, White
Batten Colors Black, White

Screen Materials

Front Projection	Gain	Viewing Cone
GrayHawk	.95	160°
StudioTek / Ultramatte 130	1.3	160°
FireHawk	1.35	100°
Ultramatte 150	1.5	140°
Videomatte 200	1.8	120°
Ultramatte 200	2.0	120°

Perforation Front Projection

MicroPerf / CinePerf Optional

Rear Projection

	Gain	Viewing Cone
Aeroview 100	1.0	180°
Filmscreen 100	1.0	100°-120°
Lumiflex 130	1.3	160°
Filmscreen 150	1.5	120°

Standard Features

Tab-Guy Tensioning System
Sonic Insulated Screen Drive
Roller Tube System

Screen Motor:

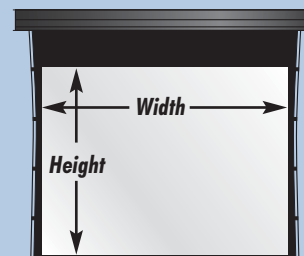
120 Volt = 38 rpm, 1 amp
220 Volt = 32 rpm, 1 amp

Control Systems

High Voltage Wall Switch	Included
Low Voltage Control	Optional
Wireless Remote Control	Optional
Infrared Remote Control	Optional
Video Interface Control System	Optional

Mounting Hardware

Ceiling / Soffit Recessed Included



Formats	Min-Max Height	Min-Max Width
Video Format	36"-90"	48"-120"
HDTV	40.5"-60"	72"-107"
Widescreen	39"-60"	72"-111"

(Size height and width depends on model chosen.
Custom sizes available with no extra charge.)



**Commercial
and
Business**



**Home
Theater**



**Front
Projection**



**Rear
Projection**



**Remote
Options**

Stealth Trap Door ElectriScreen



Hidden from View

The Stealth Trap Door ElectriScreen utilizes a technologically advanced electric roll-up screen. The screen retracts into an obscure trap door that mounts flush with the ceiling surface and can be painted to blend perfectly, effectively hiding its existence.

Insist on the Best

Optimize your Stealth Trap Door ElectriScreen with a Stewart Academy Award® winning screen material, securely attached using our exclusive Tab-Guy tensioning system designed to prevent edge curl and ensure a smooth, flat image.

Motorized Roller System

Stewart's motorized roller system provides a quiet, reliable screen operation that can be activated by a switch, infrared or remote control, or a projector screen trigger.

Retractable Screens

Hidden from View Home Theater Screen



Formats

AV (1:1), Video (1.33:1)
HDTV (1.78:1)
Widescreen (1.85:1)

Specifications

Case Material Aluminum Extrusion
Case Colors White
Batten Colors Black, White

Screen Materials

Front Projection	Gain	Viewing Cone
GrayHawk	.95	160°
StudioTek / Ultramatte 130	1.3	160°
FireHawk	1.35	100°
Ultramatte 150	1.5	140°
Videomatte 200	1.8	120°
Ultramatte 200	2.0	120°

Perforation Front Projection

IBX Ultra 2 MicroPerf Optional
CinePerf Optional

Rear Projection

	Gain	Viewing Cone
Aeroview 100	1.0	180°
Filmscreen 100	1.0	100°-120°
Lumiflex 130	1.3	160°
Filmscreen 150	1.5	120°

Standard Features

Tab-Guy Tensioning System
Sonic Insulated Screen Drive
Roller Tube System

Screen Motor:

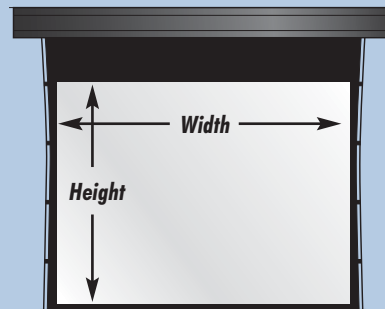
120 Volt = 38 rpm, 1 amp
220 Volt = 32 rpm, 1 amp

Control Systems

High Voltage Wall Switch Included
Low Voltage Control Optional
Wireless Remote Control Optional
Infrared Remote Control Optional
Screen Trigger Interface Optional
Video Interface Control System Optional

Mounting Hardware

Ceiling / Soffit Recessed Optional
Wall Mount/Brackets Included



Formats	Min-Max Height	Min-Max Width
Video Format	36"-72"	48"-96"
HDTV	40.5"-54"	72"-96"
Widescreen	39"-48"	72"-89"

(Size height and width depends on model chosen.
Custom sizes available with no extra charge.)

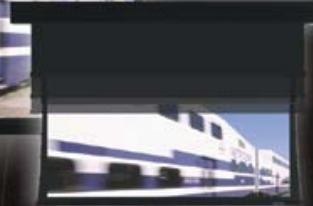
Photo courtesy of Audiovisual System & Facilities
designed by CMS Innovative Consultants



Luxus Communicator



Horizontal ElectriScreen ElectriMask



Commercial and Business



Home Theater



Front Projection



Rear Projection



Vertical ElectriScreen ElectriMask



Automatic Vertical Screen

Automatic Vertical Screen

An automatic alternative for portable projection. The motorized screen automatically lifts straight up from the screen housing. A special trap door opens prior to the screen's ascent, and closes after the screen descends into the housing.

Quality Inside and Out

Black overscan borders surround the image area, complementing the picture perfectly. An anti-keystone tilt feature is available as an option.

Formats

Video (1.33:1), HDTV (1.78:1), Widescreen (1.85:1)
Available with front projection surfaces only

Screen Materials

Front Projection	Gain	Viewing Cone
GrayHawk	.95	160°
StudioTek 130	1.3	160°
Ultramatte 130	1.3	160°
FireHawk	1.35	100°
Ultramatte 150	1.5	140°
Videomatte 200	1.8	120°
Ultramatte 200	2.0	120°

Specifications

Case Material	Aluminum Extrusion
Case Colors	Black, White
Batten Colors	Black, White

Standard Features

Tab-Guy Tensioning System
Sonic Insulated Screen Drive
Screen Motor:
120 Volt = 38 rpm, 1 amp
220 Volt = 32 rpm, 1 amp

Mounting Hardware

Adjustable Stand with Casters
Floor Recessed
Wall Mount

Luxus Communicator

The Stewart Filmscreen Luxus Communicator manual pull-down screen offers all of Stewart's acclaimed quality and performance for applications where an electric motorized system is either not desirable or practical.

Picture Perfect

Black over-scan borders surround the image area complementing the picture perfectly. Standard Tab-Guy tensioning system will ensure a straight image and prevent edge curl.

Screen Materials

Front Projection	Gain	Viewing Cone	Rear Projection	Gain	Viewing Cone
GrayHawk	.95	160°	Aeroview 100	1.0	180°
StudioTek 130	1.3	160°	Filmscreen 100	1.0	100°-120°
Ultramatte 130	1.3	160°	Lumiflex 130	1.3	160°
FireHawk	1.35	100°	Filmscreen 150	1.5	120°
Ultramatte 150	1.5	140°			
Videomatte 200	1.8	120°			
Ultramatte 200	2.0	120°			

Perforation Front Projection

THX Ultra 2 MicroPerf	Optional
CinePerf	Optional

Specifications

Case Material	Aluminum Extrusion
Case Colors	Black, Gray, White
Batten Colors	Black, Gray, White

Standard Features

Manual Pull Down Features
Tab Guy Tensioning System
Roller Tube System

Mounting Hardware

Wall Mount Brackets	Included
Ceiling Mount	Optional
Hanging (Eyebolts)	Optional

Retractable Screens

Motorized/Pulldown/Masking Screens

Horizontal Electriscreen ElectriMask

View Flexibility

The Horizontal ElectriScreen ElectriMask is designed to provide the flexibility of a multiple aspect ratio ElectriMask system with a roll-up screen. Aspect ratios from standard NTSC 1.33:1 up to Cinemascope 2.35:1 can be achieved.

ElectriMask System

The ElectriMasks are electronically controlled panels that extend and retract from the screen case.

Hidden from View

The Horizontal ElectriScreen ElectriMask is for those who require an electric roll-up system with multiple aspect ratio capabilities.

Insist on the Best

Optimize your Horizontal ElectriScreen ElectriMask with a Stewart Academy Award® winning screen material, securely attached by Stewart's exclusive Tab-Guy tensioning system designed to ensure a smooth flat image and prevent edge curl.

Formats

Video (1.33:1)
HDTV (1.78:1)
Widescreen (1.85:1)
Cinemascope (2.35:1)

Specifications

Case Material	Aluminum Extrusion
Case Colors	Black, White
Batten Colors	Black, White

Screen Materials

Front Projection	Gain	ViewingCone
GrayHawk	.95	160°
StudioTek 130	1.3	160°
Ultramatte 130	1.3	160°
FireHawk	1.35	100°
Ultramatte 150	1.5	140°
Videomatte 200	1.8	120°
Ultramatte 200	2.0	120°

Perforation Front Projection

THX Ultra 2 MicroPerf	Optional
CinePerf	Optional

Rear Projection

ViewingCone	Gain
Aeroview 100	1.0 180°
Filmscreen 100	1.0 100°-120°
Lumiflex 130	1.3 160°
Filmscreen 150	1.5 120°

Control Systems: Screen and Masking Panels

(2) High Voltage Wall Switch	Included
(2) Low Voltage Control	Optional
Wireless Remote Control (Dual Channel)	Optional
Infrared Remote Control (Dual Channel)	Optional

Standard Features

Tab-Guy Tensioning System
Sonic Insulated Screen Drive

Screen Motor

120 Volt = 38 rpm
1 amp
220 Volt = 14 rpm
2 amp

Horizontal Masking Motor

120 Volt = 14 rpm
1 amp
220 Volt = 12 rpm
1 amp

Mounting Hardware

Wall Mount/Brackets	Optional
Aperture Mount	Included

Vertical Electriscreen ElectriMask

View Flexibility

Stewart Filmscreen's Verticle ElectriScreen ElectriMask is designed to provide the flexibility of a dual aspect ratio ElectriMask system with a roll-up screen. Choose two aspect ratios to be combined.

ElectriMask System

The ElectriMasks are electronically controlled panels that extend and retract from the screen case.

Hidden from View

The Vertical ElectriScreen ElectriMask is designed for those who require an electric roll-up system with dual aspect ratio capabilities.

Insist on the Best

Optimize your Horizontal ElectriScreen ElectriMask with a Stewart Academy Award® winning screen material, securely attached by Stewart's exclusive Tab-Guy tensioning system designed to ensure a smooth flat image and prevent edge curl.

Formats

Video (1.33:1)
HDTV (1.78:1)
Widescreen (1.85:1)

Specifications

Case Material	Aluminum Extrusion
Case Colors	Black, White
Batten Colors	Black, White

Screen Materials

Front Projection	Gain	ViewingCone
GrayHawk	.95	160°
StudioTek 130	1.3	160°
Ultramatte 130	1.3	160°
FireHawk	1.35	100°
Ultramatte 150	1.5	140°
Videomatte 200	1.8	120°
Ultramatte 200	2.0	120°

THX Perforation Front Projection

Ultra 2 MicroPerf	Optional
CinePerf	Optional

Rear Projection

ViewingCone	Gain
Aeroview 100	1.0 180°
Filmscreen 100	1.0 100°-120°
Lumiflex 130	1.3 160°
Filmscreen 150	1.5 120°

Control Systems: Screen

Screen Trigger Interface	Included
High Voltage Wall Switch	Optional
Low Voltage Control	Optional
Wireless Remote Control	Optional
Infrared Remote Control	Optional
Video Interface Control System	Optional

Standard Features

Tab-Guy Tensioning System
Sonic Insulated Screen Drive

Screen Motor

120 Volt = 38 rpm
1 amp
220 Volt = 32 rpm,
1 amp

Vertical Masking Motor

120 Volt = 38 rpm
1 amp
220 Volt = 32 rpm
1 amp

Mounting Hardware

Wall Mount/Brackets	Optional
Aperture Mount	Included



Commercial
and
Business



Home
Theater



Rear
Projection

MVP Retro Box

MVP Retro Box and Control Systems

MVP RETRO BOX

Space Saver & Easy Mobility

The MVP Systems are completely self contained modular video rear-projection systems (not including projector). They are engineered for easy mobility from one environment to the next. Ideal for boardrooms, courtrooms, trade shows, and simulation projects. Stewart manufactures a variety of units to accommodate your specific needs.

Universal Projector Application

As with all Stewart Filmscreen products, the MVP Systems are custom built for use with virtually any digital projection system. The projector attaches securely to a pivotal mount designed for unlimited vertical tilt.

Picture Perfect

The interior mirror system features a first-surface 94% reflective glass mirror, shipped pre-framed as a complete system. The mirror projects images flawlessly to your choice of Stewart's premier rigid screen materials, creating the picture perfect image.

Formats

Video (1.33:1), HDTV (1.78:1), Widescreen (1.85:1)

Specifications

Frame All Aluminum Extrusion
Finish Formica, Nevamar or Wilsonite
High Pressure Laminates

Screen Materials

Rigid Rear Projection

	Gain	Viewing Cone
Aeroplex 100	1.0	180°
Graphite 70	.70	180°
Graphite 100	1.0	180°
Techplex 100	1.0	100-120°
Lumiplex 130	1.3	160°
Techplex 150	1.5	120°

Optical Rear Projection

	Gain	Viewing Cone
Blackhawk Xtreme	1.0	180°
Powerview	5.0	120°
Optawave	4.0	180°
Microwave	3.0	120°

MVP Retro Box & Control Systems

Aspect Ratio Masking and Remotes



Screen Trigger Interface (STI)

Factory installed internal 12-volt control that interfaces with low voltage triggering outputs from projectors, receivers, or integrated system control units, 200-800 milliamps (ma) recommended.

Screen Trigger Interface (STI-5V)

Factory installed internal control that interfaces with low current, low voltage, triggering outputs from projectors or other devices which produce 5-volt output. Many trigger circuits are specified to provide 12-volt output but produce insufficient output current in milliamps (under 200) to pull the relay of a normal STI. The STI-5V control is designed to overcome these situations. Includes external converter.

Video Interface Control System (VICS)

External 12-volt control, interfaces with triggering outputs from projector, receivers or integrated system controllers. (Outboard version of STI)

Video Interface Control System (VICS-5)

External control that interfaces with low voltage triggering outputs from projectors, receivers, or other devices which produce 5 to 12-volt output but low current. (Outboard version of STI-5V)

Low Voltage Control with Wall Switch (LVC)

Low voltage screen control (includes optional wall switch) will allow for switching conductors to be run in Class II (small wire, exposed, no conduit), and will interface with most outboard video switching systems.

Infra Red Remote (IRR)

The IRR is an Infrared Low Voltage Control (LVC). System includes modular, plug in infrared (IR) sensor and hand-held transmitter.

Wireless Remote Control (WRC)

This kit uses radio frequency (RF) signals to control an external receiver that is connected to the screen's motor leads, and plugs directly into a standard AC outlet. Up, down, and stop functions.

Dual Option Screen Trigger (DOST)

Permits operation of screen from projector trigger and a Class II (low voltage) wall switch (supplied).

Dual Channel Infrared Remote - 120v or 220v (DIR120 or DIR 220)

2 LVC controls, with 2 eye sensors and one hand-held transmitter, permitting independent IR control of two motors. These are used with motorized masking systems.

Triple Channel Infrared Remote - 120v or 220v (TIR120 or TIR220)

3 LVC controls, with 3 eye sensors and one multi-channel hand held transmitter, permitting independent IR control of three motors. These are used with motorized masking systems such as the Ultimate 4Way ElectriMask or custom triple motor electric screens.

Projector Switched Outlet (PSO)

Device used to trigger a screen via a projector not already equipped with a 12-volt output. STI included. This device senses current draw of the projector, latches in the down position, deploying the screen, until current draw is ended. When current is terminated, the screen will automatically retract into the case. Also available without STI or VICS.

5V-Converter (CON)

Outboard device to trigger STI from projector with low current trigger output. Boosts 5-volt to 12-volt.

Infra Red Remote Kit (IRR-K)

Kit includes eye sensor and one-single channel hand held transmitter. This kit is available for after-market addition of Infrared (IR) capability to a SFC LVC.

Smart Motor1 (SMART1)

Factory installed dual motor control system with one intermediate preset stop. Typically used with masking systems.

Smart Motor4 (SMART4)

Factory installed dual motor control system with four preset stopping positions. Typically used with masking systems.

Photo courtesy of Shen Milsom, Wilke and Jay Brenner-Brenner/Lennon Photo Productions



Commercial
and
Business



Home
Theater



Front
Projection



Rear
Projection

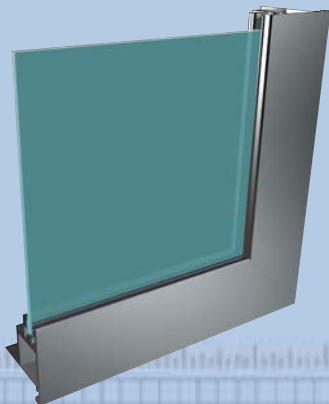
Quick-Stall | Deluxe | Wedge Frame

P1000 | P1500 | P2000

Stewart's rigid rear frames can be used by themselves, or incorporated into a wall or cabinetry to match room decor. Large size frames are shipped with knocked-down, pre-drilled frame components and hardware, ready for assembly in aperture and mounting of screen in frame. Screen and frame shipped as one complete unit in smaller sizes.

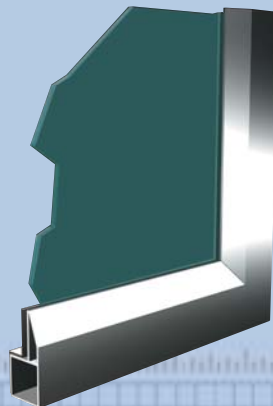
Quick-Stall Self Finishing

The Quick-Stall frame allows for easy installation of rigid rear screen materials by eliminating the need for a finish trim. The Quick-Stall Frame covers unfinished edges with a built-in 5/8" trim. Create a professional atmosphere by applying Stewart's optional VeLux Appliqué.



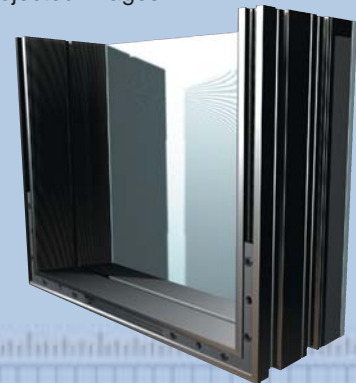
Deluxe

The Deluxe frame features a 3 1/4" wide frame with 45 degree mitered corners and a beveled edge bringing the screen's image area closer to the frame while acting as a projection over-scan border. This frame can be inset into a wall or cabinet. Free-standing or hanging (flying) systems are also available. VeLux Optional.



Wedge Frame

Perfect for applications such as videowalls, simulators, and command and control centers. The wedge profile tapers down (back side) to a knife edge where it contacts the screen without blocking the projected light. A 0.015" thick transparent plastic ribbon is bonded to the screen edge and wedge frame to effectively hide the seams between projected images.



Rigid Rear Frames

Factory Frames for Rigid Screens



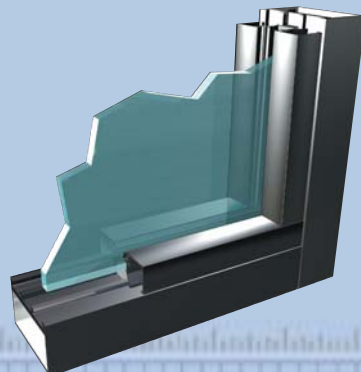
P1000

An economical frame for acrylic screen sizes up to 100" wide image x 1/4" thick. The P-1000 frame requires a wall opening 2-5/8" larger (in both height and width than the screen maximum image size). The extruded aluminum is available in clear or dark bronze anodized finishes.



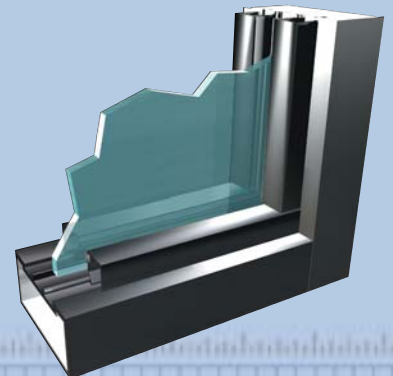
P1500

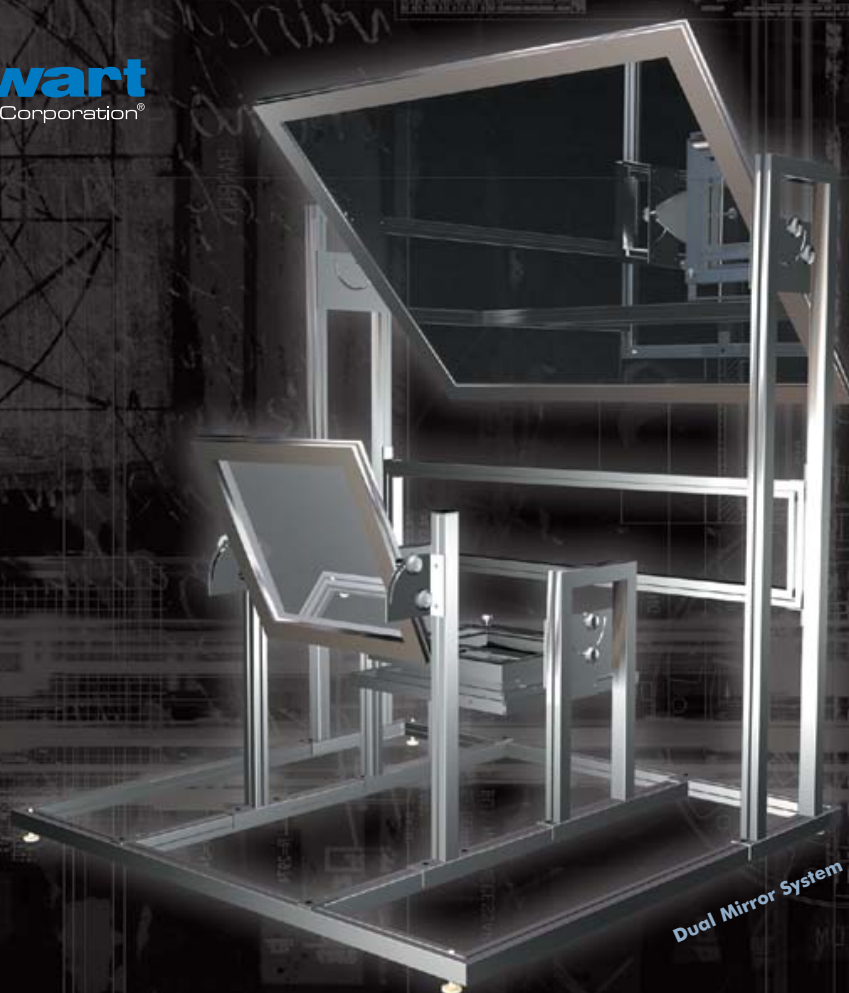
A medium duty frame system which accommodates any rigid screen up to 9' high by 12' wide. The P-1500 frame requires a wall opening 3.5" larger (in both height and width than the screen maximum image size). This aluminum extrusion is available in either clear or black anodized finishes.



P2000

A heavy duty frame system which can accommodate any rigid screen up to 10' 6" high by 20' wide. The P-2000 frame requires a wall opening 4" larger (in both height and width than the screen maximum image size). The extruded aluminum is available in clear or dark bronze anodized finishes.





Commercial
and
Business



Home
Theater



Rear
Projection

Single | Dual | Wallmount Mirror Systems

Stewart Filmscreen's mirror systems facilitate the folding of projection image paths to reduce the amount of space required for rear projection installations. Dual mirror systems are available to further decrease required projection depths. All mirror systems feature a first-surface 94% reflective glass mirror. Specifications vary depending on projector and environment.

OptaKong Single Mirror System

Maximum Mirror Image 70" x 90"

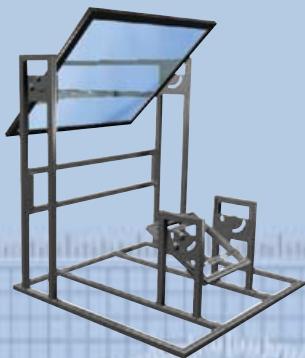
Used in virtually every rear projection system, this single mirror system saves large quantities of space. Custom built with hefty all aluminum extrusion for stability and a X, Y, Z adjustable cradle for adjustability.

Formats

Video(1.33:1), HDTV (1.78:1), Widescreen (1.85:1)

Features & Specifications

- Easy Assembly
- Moisture and Atmospheric Salt Resistant
- Pre-Framed 94% Reflective Glass Mirror
- X,Y,Z Adjustable Projector Cradle
- CAD Design Available



OptaKong Dual Mirror System

Maximum Mirror Image 70" x 90"

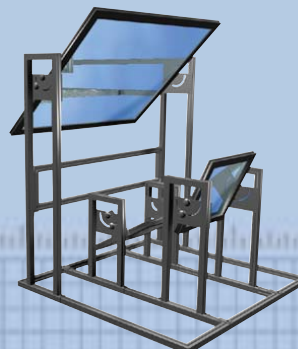
The OptaKong Dual Mirror System reduces projection depths even further than single mirror systems. Like the Single Mirror System, the Dual Mirror System is built with hefty all aluminum extrusion for stability and a X, Y, Z adjustable cradle for adjustability.

Formats

Video(1.33:1), HDTV (1.78:1), Widescreen (1.85:1)

Features & Specifications

- Easy Assembly
- Moisture and Atmospheric Salt Resistant
- Pre-Framed 94% Reflective Glass Mirror
- X,Y,Z Adjustable Projector Cradle
- CAD Design Available



Mirror Systems

Image Projection Folding System



OptaKong Wallmount Mirror System

The Wall Mount mirror is designed with an unlimited vertical tilt for ease in adapting to varying installation geometries.

Formats

Video(1.33:1), HDTV (1.78:1), Widescreen (1.85:1)

Features & Specifications

- Easy Assembly
- Moisture and Atmospheric Salt Resistant
- Pre-Framed 94% Reflective Glass Mirror
- CAD Design Available



Corporate Headquarters

"The stunning technological advances in the image-producing industries have demanded parallel advances in image projection technology. We are grateful to our loyal customers for their confidence and the extremely high standards, which have stimulated us to achieve better imaging.

We welcome the challenges of customers old and new to surpass expectations of ever-increasing screen projection accuracy."

- Patrick Stewart, CEO

For more information on Stewart Filmscreen products, please contact us directly or visit our website at: www.stewartfilm.com



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