



## Home Theater - Your deluxe enjoyment with OS Screen

Rapid development in digital broadcasting and broadband networks brings about a new era of high definition imagery, therefore now is the best time to start building your own home theatre system.

Naturally, large screen visual and powerful audio effects are two very basic factors used in creating an excellent home theatre environment with the highest level of enjoyment and OS Screens are specially designed to perfect these requirements.

The Pure-mat Screen series, which recently earned high praise from the market, provides the finest quality of screen surfaces and various installation options to fit the needs of different users. This catalogue provides a detailed introduction to the product features, but more importantly the know-how in selecting the right kind of screen.

At OS Screen we always strive to extend our warm support to home theatre users by providing the best products and information to help customers in selecting the most suitable screen for their home theatre.

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# How to select the right kind of home theater screen

## To start your own home theatre

To select a screen for your home theatre, the size, materials, and method of installation are some basic considerations. These factors are, in turn, determined by the location and screen position. Therefore the first step is to determine the space for setting up the home theatre.

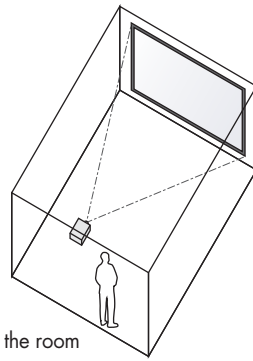
### 1. Location and position of the screen

If you do not have a room specially for your home theatre, we recommend you consider a location which is possible for both the daily life and home theatre use. Also, how you are using the space will affect the visual image so you should consider the location of the installation before choosing the screen.

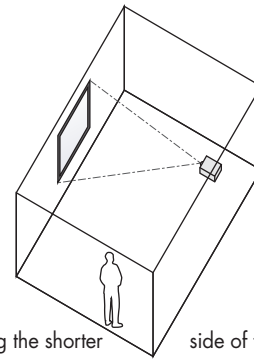
#### Image will be affected by how the space is utilised

##### Use of Wall

Using the longer side of the room provides a longer distance of projection and therefore a larger visual image, whereas a shorter side will produce a sharper and clearer image. This is one major consideration in determining the final product of the projected image.



Using the longer side of the room  
You will enjoy a bigger and more dynamic visual image

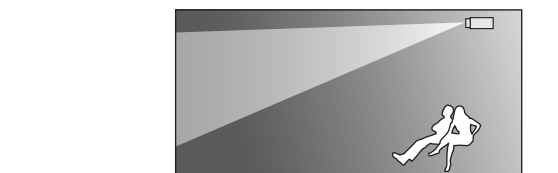
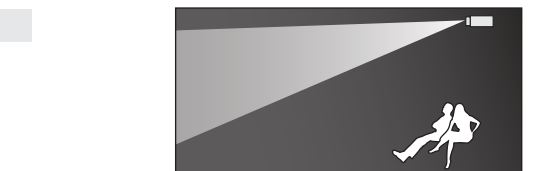


Using the shorter side of the room  
you will have a sharper and brighter image

#### How external light affects the visual image

✓ When establishing a home theatre shutting out external light from the back of the projector can help to produce a sharper and brighter image.

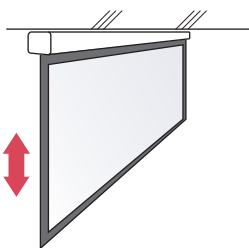
✗ If external light enters the room from the back of projector, the screen reflects the external light and makes the image more difficult to see. Therefore any external light from the back of projector should be avoided.



### 2. Method of installation

There are several methods to install the screen. Even in cases where adequate wall surface is not available, some screen models are specially designed so that it can be rolled out only when needed. In this way, daily life and the home theatre can co-exist in the same space.

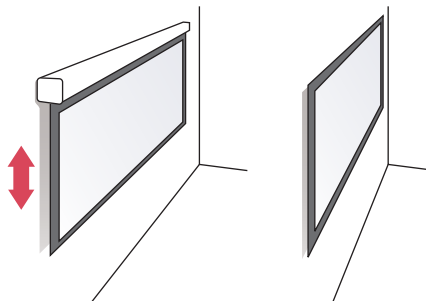
#### Ceiling Type



Box-stored Model

E1 • A1

#### Wall Type



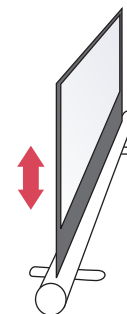
Box-stored Model

E1 • A1

Fixed Model

PA

#### Floor Type



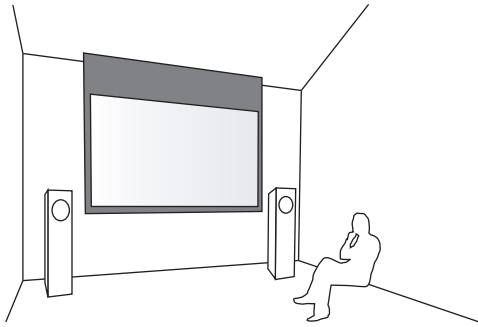
Portable Model

G1/G1-T

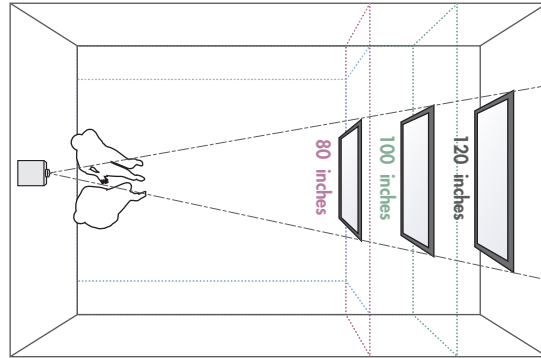
### 3. Size of the screen

#### How to determine the screen size

The area of the room is the key factor determining the approximate screen size. Generally speaking, the width of the screen shall be approximately 2/3 to 1/2 of the distance between viewer's position and the screen.



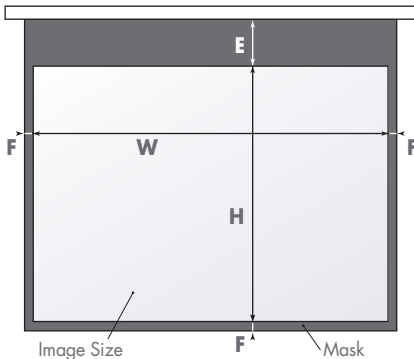
\* Do not forget to consider the size and the position of speakers as well. As the speakers are usually placed on both sides of the screen, speakers size and position must be considered when determining which screen size is to be used.



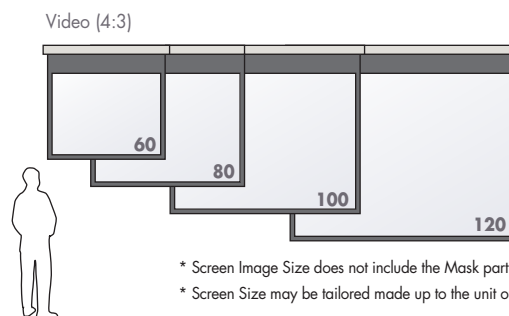
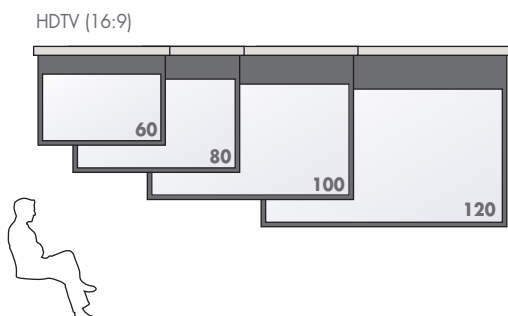
Size of the room	In sq.metres	Approximate Screen Size
<b>Small</b>	9.9-13.2 m <sup>2</sup>	60-80 type
<b>Medium</b>	16.5-19.8 m <sup>2</sup>	80-100 type
<b>Large</b>	26.4 m <sup>2</sup> ~	100~ type

#### Screen Image Size

The projected image (WxH) is referred as the "Image Size". The screen size is mainly classified into HDTV Type (16:9), Video Type (4:3) and the Cinemascope Type (2.35:1)



Model	HDTV Type (16:9)		Video Type (4:3)		Cinemascope Type (2.35:1)	
	W (mm)	H (mm)	W (mm)	H (mm)	W (mm)	H (mm)
60	1328	747	1219	914	1402	597
70	1550	872	1422	1067	1636	696
80	1771	996	1626	1219	1870	795
90	1992	1121	1829	1372	2103	896
100	2214	1245	2032	1524	2337	995
110	2435	1370	2235	1676	2571	1094
120	2657	1494	2438	1829	2805	1193
130	2878	1619	2642	1981	3038	1294
140	3099	1743	2845	2134	3272	1393
150	3321	1868	3048	2286	3506	1491
160	3542	1992	3251	2438	3740	1590
170	3764	2117	3454	2591	3973	1691
180	3985	2242	3658	2743	4207	1790
190	4206	2366	3861	2896	4441	1889
200	4428	2491	4064	3048	4674	1990



\* Screen Image Size does not include the Mask part.  
\* Screen Size may be tailored made up to the unit of 1-inch

#### Screen Mask Size

The Screen Image is surrounded by a darkly painted frame to absorb the light. This is called the Screen Mask. The size of Screen Mask varies in different models and screen sizes. Part "E" in the above figure is referred to as "Upper Border". For example, in Ceiling Type screens, the Upper Border will be used to adjust the height of the image size. The dimension of Screen Mask can be tailored to suit special purposes as well.

\* The Screen Mask can be tailored made to the unit of 1-mm (some sketchable materials may be subjected to a different measurement)  
\* Tailor-made may not be possible for certain types of screen materials and models.

# How to select the optimal type of screen materials

Different screen materials may have different effects on final images. At the same time, the position of projectors and the surrounding environments may need different types of screen materials to produce the best effects. Therefore, the projector position, viewer's position, and desired visual image etc. must be considered when choosing the screen materials.

## 4. Basic knowledge on the characteristics of screen materials

### Reflexibility

The Diffuse Type, Return Type and Reflect Type each reflect a projected light in different angles. Hence the projector position is an important factor in choosing the screen materials.

### Range of reflected light

Different screen materials have different reflection characteristics which affects the range of reflected light (image visible range) (some materials may not give the best performances in certain projector position and viewer's position)

### Obstructing Light

If external light cannot be totally shut out, the right kind of screen material will help to give a better performance of projected image.

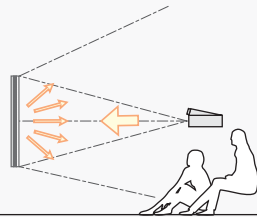
### Image Features

Screen materials produce different image effects, users are advised to experience this at the vendor's showroom.

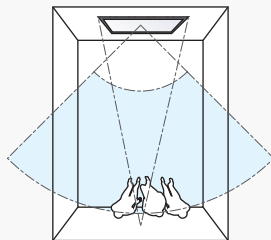
### Viewing Environment

The characteristics of each screen material will suit different theatre environments.

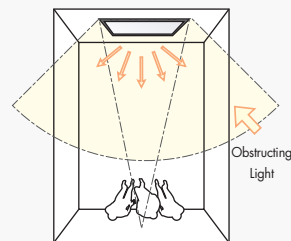
#### Diffusive Type (Pure-mat, White)



Even if the projector is suspended from the ceiling, or stands on floor/lower surface, a Diffusive Type produces bright and sharp images.



Diffusive Type gives the widest range of reflected light and therefore is suitable when there is large number of audience.

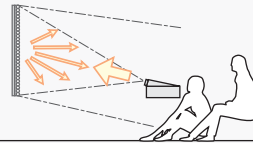


Diffusive Type reflects the external light in a wide angle and is therefore more effective in reducing undesirable effects.

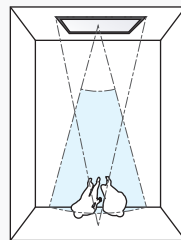
The natural layering gives a soft and mild image. In particular, the Pure-Mat series excel in giving natural, bright and sharp images.

Ideal in a dark room with a projector that has a strong power output to give the best performance.

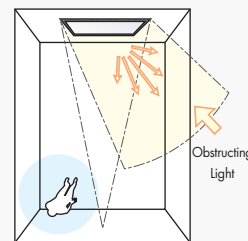
#### Reflexive Type (Glass Beaded)



Reflexive Type returns light back to the same direction and therefore is suitable when projector stands on floor/lower surface.



Reflexive Type gives a condensed range of reflected light, but enables a sharp and brighter image in a specified direction.

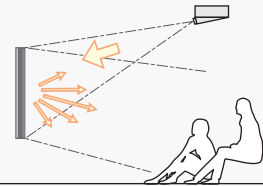


Reflexive Type reflects external light in the same angle and therefore is recommended when an external light enters the room from the opposite side to the viewer's position.

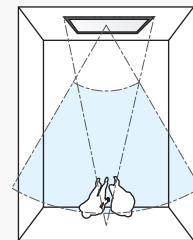
Sharp and focused image. A TV-like feeling and dynamic visual image.

When a projector stands on the floor or low surface there is no need to have a with strong power output.

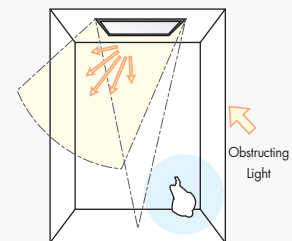
#### Reflective Type (Pearl)



Reflective Type reflects light in an opposite direction and therefore is well-suited when projectors are suspended from ceiling.



Reflective Type strikes a good balance between the reflection strength and range of reflected light.



Reflective Type reflects external light in an opposite direction and therefore is recommended when an external light enters the room from the same side as the viewer's position.

A subdued contrast of light giving excellent flat images. Perfect spectrum of dark images.

Projector which is suspended from ceiling, and recommended to be used on surface with high degree of flatness.

## 5. To select the right kind of materials according to the position of projector

### Pure Mat II plus [PAT.P] (Diffusive Type)

Pure-mat is a registered name by OS Screen.

Pure-Mat is specially designed to effectively reflect the light in a dispersed and wide angle with spot-free equal brightness. Fibers are knitted in a random manner to give a smooth dispersion of light and this successfully minimises the interfering stripes visible under some fixed-output projectors. The dispersed light produces a wide reflected angle with a natural distribution of light.



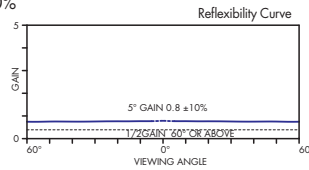
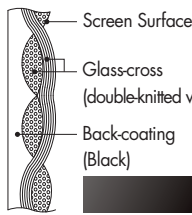
#### Random Knitting

Pure-mat is knitted in a random direction so as to minimize the interfering stripes

#### Black-dyed synthesized fiber

To suppress the external light to enable complete disperse of light

### WF 202 5° gain 0.8 ±10%

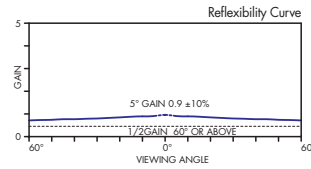
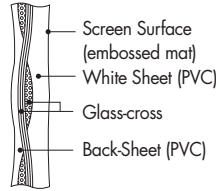


A black coating gives an even better shield-out effect of strong light and provides excellent sharpness and contrast.

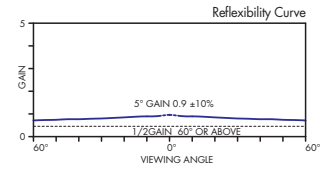
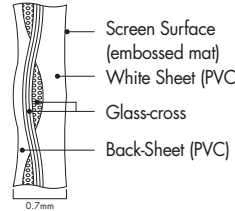
### White Mat (Diffusive Type)

The surface is an embossed process to reflect the incoming light to the widest possible angle in all directions and does not depend on the position of the projector. However, it requires a higher level of light-proof and a stronger output projector. It is especially good at producing harmonious, natural and soft images.

### WG 103 5° gain 0.9 ±10% ◎fireproof



### WG 207 5° gain 0.9 ±10% ◎fireproof



### Sound Mat (Diffusive Type) THX

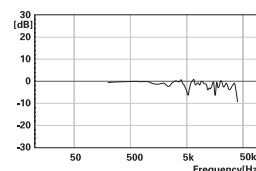
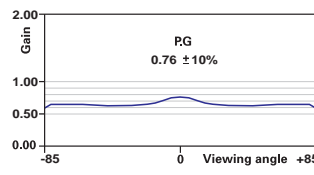
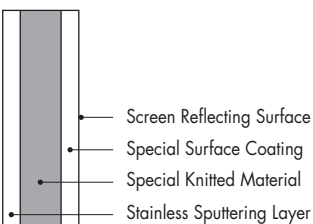
#### Superb acoustics transparent & visual quality

The latest OS SOUNDMAT (WS102) reproduces the original idea of movie producer. Such re-creation of the original image and superior acoustic transparency give it THX approval which is recognized as "Top of the world" in the AV industry.

The unique weaving technique "Super · AV · Knitting" not only improves acoustic transparent capacity but also eliminates Moiré. The viewing angle is 170° therefore the same quality image can be reproduced to almost the entire room. Moreover, reflexive light from the back is restrained with the "Stainless Sputtering" back coating technique, giving a superb image.

SOUNDMAT (WS 102) also awarded the ECO mark by the Japan Environment Association (JEA). 80% of the screen fabric was made from recycled material without Vinyl Chloride and hence un-harmful to the environment.

### WS 102 5° gain 0.76 ±10%



### Super · AV · Knitting



(Front)

### Stainless Sputtering

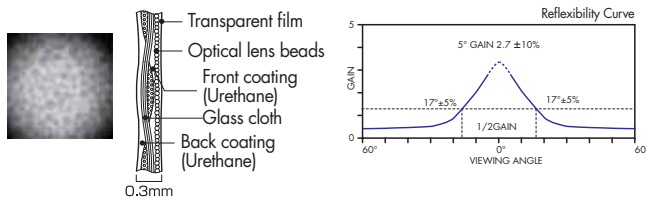


(Back)

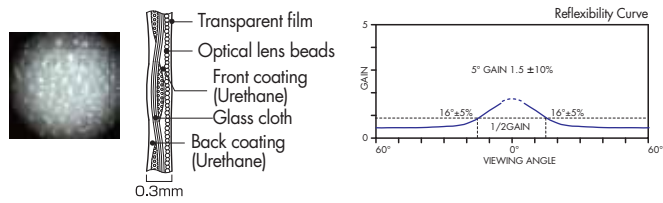
### Ultra Beads Premium (Reflexive Type)

The New Ultra Beads Premium is an upgrade version of our original Ultra Beads material which is intended for use in both high ambient light and light controlled environments where contrast enhancement is preferred. The beads size of New Ultra Beads Premium is 30% finer than our previous Ultra Beads and they are randomly scattered on the surface layer to avoid moire effect on the projected image. It is suitable for all types of projectors and is optimized for 1080p or even high resolution HD projectors.

**BU 201** 5° gain 2.7 ±10%/Half gain 17°±5% ©fireproof  
**Ultra Beads Premium White (BU-201)**



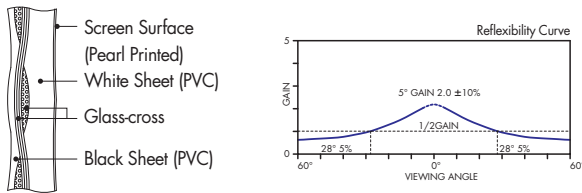
**BU 202** 5° gain 1.5 ±10%/Half gain 16°±5% ©fireproof  
**Ultra Beads Premium Gray (BU-202)**



### Pearl (Reflective Type)

A Reflective Type screen surface is evenly painted with pearl paint to enhance the high level of sharpness and wide reflected angles. It is suitable when the projector is hung from above. A dark environment will provide a better image. This type of screen produces weak contrasting effects, black images or harmonious dark images.

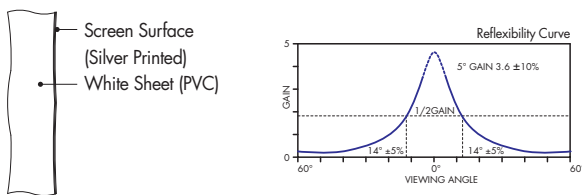
**PP 201** 5° gain 2.0 ±10%/Half gain 28°±5% ©fireproof



### Sliver (Reflective Type)

A silver coating applied on the surface which is necessary for a polarized 3-D projection.

**SD** 5° gain 3.6 ±10%/Half gain 14°±5% ©fireproof



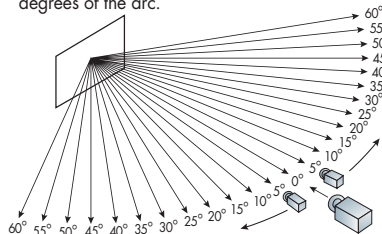
## 6. Screen Gain

Screen Gain is a measurement of reflexivity of screen material and is an important indicator of the screen's characteristics.

Theoretically, the brightness of a standard white board (i.e. pure white board coated with magnesium oxide) is set as 1, and Screen Gain is the degree of brightness compared to this figure under the same environment.

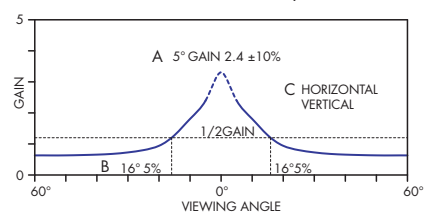
#### ■ Measurement of Screen Gain

To project light at 90 degrees directly to the centre of the tested screen and measure image brightness at 5 degree interval from the right 60 degrees to left 60 degrees of the arc.



#### ■ How to interpret the reflexivity curve

- A : the actual Peak-gain at 5 degree intervals of the viewing angle.
- B : Actual Half-gain angle (viewing angle)
- C : Horizontal-Vertical Reflexibility Curve.



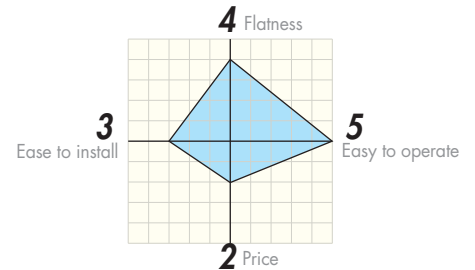
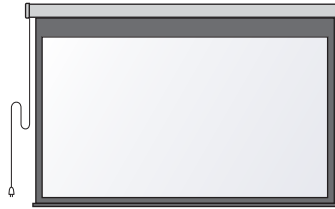
# How to select the best screen

A perfect match of screen with the home theatre can be achieved by first determining both the installation and storage method.

## 7. To select the most suitable home theatre screen

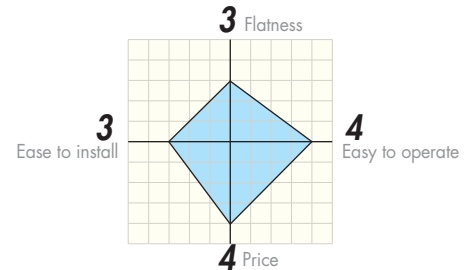
### Electric Type

The lifting and lowering of the screen can be easily operated by a remote control. It maintains the highest level of flatness among all the rolled-up type screens.



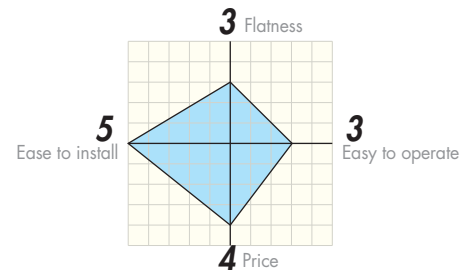
### Manual Type

The lowering and raising is controlled manually. When used with the OS-developed Ball-stop device [PAT.] and Soft-wind device [PAT.], the screen can be raised at full speed.



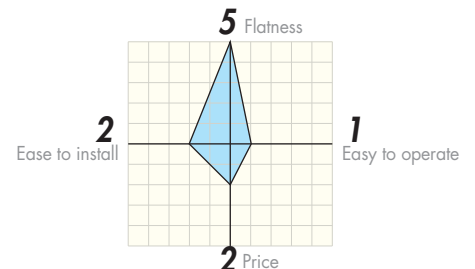
### Freestanding Type

The mainbody is placed on the floor, and the screen can be pulled upwards easily. It is a highly convenient portable type screen.



### Fixed Type

This type of screen is being fixed on the wall and therefore always maintains an ideal flat surface. It is recommended for professional users.



### Key

#### Flatness

When comparing the figure against the same screen size, a higher number indicates a higher level of flatness.

#### Ease to operate

5=automatic by remote control  
 4=manual driven (automatically rolling up)  
 3=manual driven  
 2=roll-up by hand  
 1=fixed type

#### Ease to install

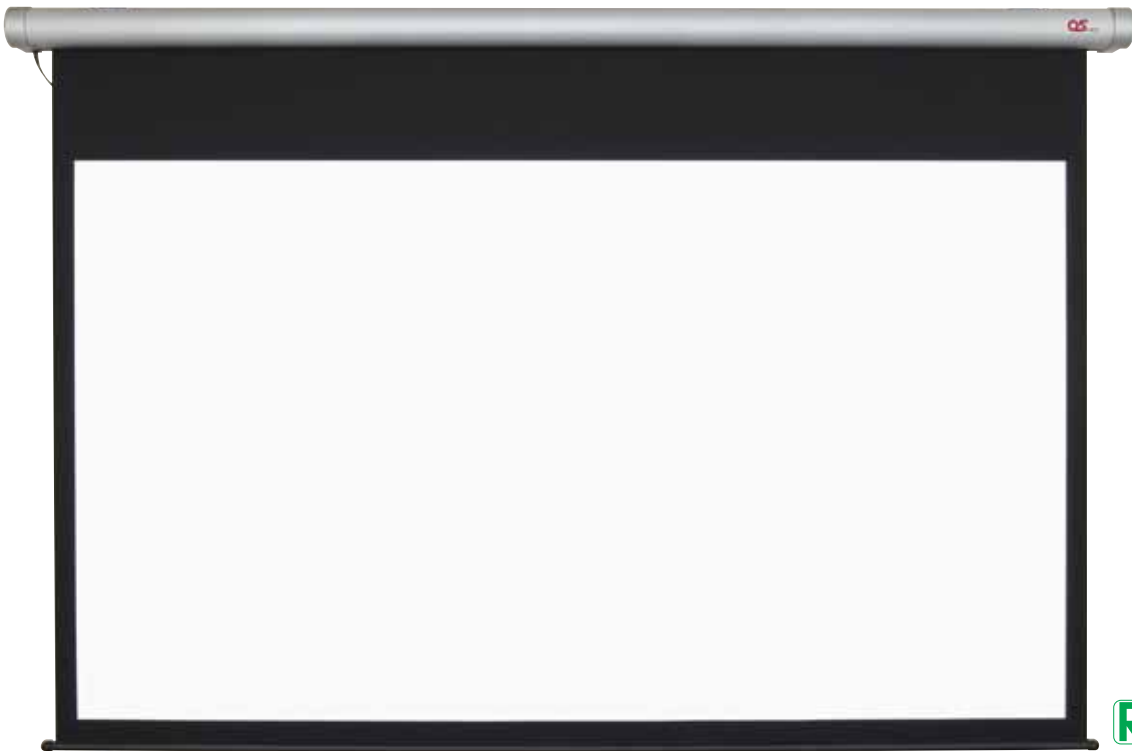
5=install without the use of any tool  
 4=install by using a tool but can be managed by a single person  
 3=can be installed using a tool and two people  
 2=should be installed by outside vendor/technical worker  
 1=need to consider from the design stage

# E1

**Electric Type**

Screen Materials: **WG** **WF** **WS** **BU**

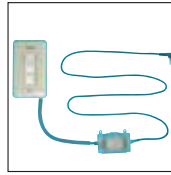
- A simple, modern looking aluminium case which goes well with all interior designs.
- Tension-adjustment technology to always maintain the screen surface in its best state and newly designed under-bar available in attractive designs and colours.
- Newly designed Separation Case and Sliding-bracket dramatically reduce the difficulties of installation work.
- Easily operated by using the infra-red wireless remote control with the electric socket and light-receptor. The IR receiver can be placed anywhere within 300mm of control socket.
- Low voltage contact type switch control is also available.
- By using the optional item extension poles (for P-series), the screen can be anchored to the walls or ceilings even without nails or screws, enabling the installation of rolled-up type screens in rented apartments.



■ Accessories:  
Bracket



■ Accessories:  
Infra-red Remote Control & receiver (FS-6)



■ Optional item:  
ContactType Switch (FS-1)



■ Optional Item:  
P21-A/P22-A Extension Pole

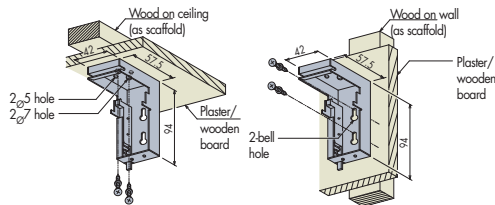
E1-H Series HDTV Format (16:9 / 1.78:1 Aspect Ratio)	Image Size W x H (mm)	Case Length A (mm)	Case Width B (mm)	Case Height C (mm)	Upper Black Border U (mm)	Screen Height T (mm)	Mounting Distance G (mm)	Lower Bar Width P (mm)	Screen Weight (kg)	White Mat (WG 103)	Pure Mat II plus (WF 202)	Sound Mat (WS 102)	Ultra Beads (BU 201/2)
<b>Standard</b>													
E1-080H-064	1771 x 996	2050	110	125	640	1815	1350 or above	1925	9.4	-	○	○	-
E1-090H-051	1992 x 1121	2270	110	125	510	1815	1350 or above	2145	10.3	-	○	○	-
E1-100H-039	2214 x 1245	2490	110	125	390	1815	1800 or above	2370	11.2	-	○	○	-
E1-110H-027	2435 x 1370	2710	110	125	270	1815	1800 or above	2590	12.1	-	○	○	-
E1-120H-014	2657 x 1494	2935	110	125	140	1815	2250 or above	2810	13.0	-	○	○	-
<b>Long Upper Black Border</b>													
E1-080H-110	1771 x 996	2050	110	125	1100	2275	1350 or above	1925	10.0	-	○	○	○
E1-090H-097	1992 x 1121	2270	110	125	970	2275	1350 or above	2145	10.9	-	○	○	○
E1-100H-085	2214 x 1245	2490	110	125	850	2275	1800 or above	2370	11.8	-	○	○	○
E1-110H-073	2435 x 1370	2710	110	125	730	2275	1800 or above	2590	12.7	-	○	○	○
E1-120H-060	2657 x 1494	2935	110	125	600	2275	2250 or above	2810	13.6	-	○	○	○

## Readings on the model number

Eg) **E1-100H-039**

Series	Screen-size (in inches)	H 16:9 V 4:3 L 2.35:1	Length of Upper black border (in cm)
--------	----------------------------	-----------------------------	---

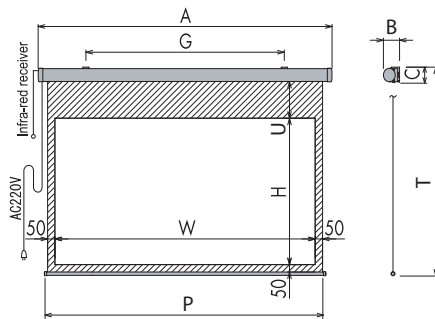
### How to install the screen



■ To install onto ceiling

■ To install onto wall

■ E1



Infra-red receiver... 300mm  
Power supply cord... 2000mm

### Electric type Symmetry Case



Individual symmetry cases specially designed for OS Screen which makes the installing and position-adjustment easier than ever.

### New Design - Use of Sliding-bracket



The rail attached to the screen can slide along the bracket. This design enables a more compact case.

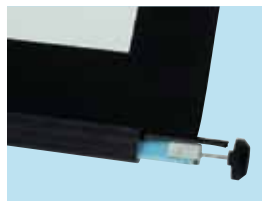
### Available in different types of screen materials

Customer may specify the screen materials ranges from Pure Mat II Plus, White Mat & Ultra-beads to meet their particular needs. The latest acoustic transparent fabric, Sound Mat (WS 102), is also available for ultimate Home Theatre experience.

### Enhanced Under-bar to further upgrade the screening environment

To further enhance the screen performance, the Underbar is now painted in black so that users can concentrate more on the screen.

### Tension-adjustment device



The weight of the screen may unavoidably create wrinkles on the lower side of the screen. A Tension-adjustment device is also installed which can easily adjust the flatness of the screen materials by rotating it in a back and forth direction. This design greatly improves the performance of the screen materials by correcting shrinking conditions however the effect may not be noticeable for certain kinds of wrinkles.

## NEW

E1-I Series Cinemascope Format (2.35:1 Aspect Ratio)	Image Size W x H (mm)	Case Length A (mm)	Case Width B (mm)	Case Height C (mm)	Upper Black Border U (mm)	Screen Height T (mm)	Mounting Distance G (mm)	Lower Bar Width P (mm)	Screen Weight (kg)	White Mat (WG 103)	Pure Mat II plus (WF 202)	Sound Mat (WS 102)	Ultra Beads (BU 201/2)
<b>Standard</b>													
<b>E1-100L-064</b>	2337 x 995	2615	110	125	640	1815	1800 or above	2490	11.5	-	○	○	○
<b>E1-110L-054</b>	2571 x 1094	2850	110	125	540	1815	2250 or above	2725	12.5	-	○	○	○
E1-V Series Video Format (4:3 / 1.33:1 Aspect Ratio)	Image Size W x H (mm)	Case Length A (mm)	Case Width B (mm)	Case Height C (mm)	Upper Black Border U (mm)	Screen Height T (mm)	Mounting Distance G (mm)	Lower Bar Width P (mm)	Screen Weight (kg)	White Mat (WG 103)	Pure Mat II plus (WF 202)	Sound Mat (WS 102)	Ultra Beads (BU 201/2)
<b>Standard</b>													
<b>E1-080V-088</b>	1626 x 1219	1905	110	125	880	2275	1000 or above	1780	9.5	○	○	-	○
<b>E1-090V-072</b>	1829 x 1372	2105	110	125	720	2275	1000 or above	1985	10.3	○	○	-	○
<b>E1-100V-057</b>	2032 x 1524	2310	110	125	570	2275	1350 or above	2185	11.1	○	○	-	○
<b>E1-110V-042</b>	2235 x 1676	2510	110	125	420	2275	1350 or above	2390	12.0	○	-	-	○
<b>E1-120V-027</b>	2438 x 1829	2715	110	125	270	2275	1700 or above	2590	12.8	○	-	-	○

# A1

## Manual Type

Screen Materials: **WG** **WF** **BU**

- A simple but modernised aluminum case which goes well with interior designs.
- Tension-adjustment technology always maintains the screen surface in its best state and the newly designed under-bar is an attractive design and colour.
- The lifting and lowering of the screen can be easily and smoothly operated with the Ball-stop and Soft-wind [PAT.]
- By using the optional item extension pole (for P-series), the screen can be anchored to the walls or ceilings even without nails or screws, enabling the installation of rolled-up type screens in rented apartments.

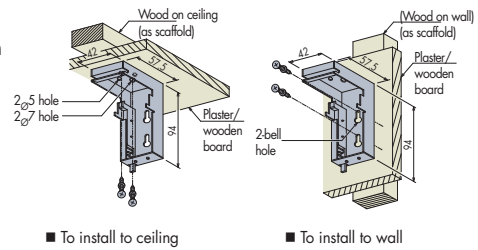


## New Design - Use of Sliding-bracket

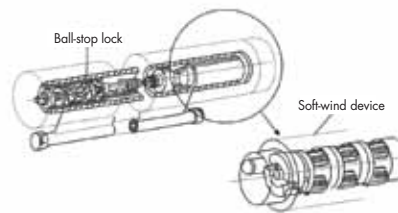


The bracket can slide along the rail attached to the screen, and can be installed at any position. This design enables a more compact case than previous models.

## How to install the screen



## Ball-stop and Soft-wind device



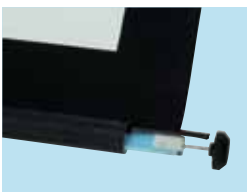
## Available in different types of screen materials

Customer may specify the screen materials ranges from Pure Mat II Plus, White Mat & Ultra-beads to meet their particular needs.

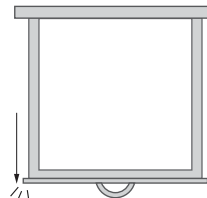
## Enhanced Under-bar to further upgrade the screening environment

To further enhance the screening effect, the Underbar is now painted in black so that users can concentrate more on the screen.

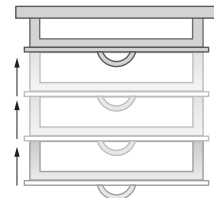
## Tension-adjustment device



The weight of the screen may unavoidably create wrinkles on the lower side of the screen. A Tension-adjustment device is also installed which can easily adjust the flatness of the screen materials by rotating it in a back and forth direction. This design greatly improves the performance of the screen materials by correcting shrinking conditions however the effect may not be noticeable for certain kinds of wrinkles.



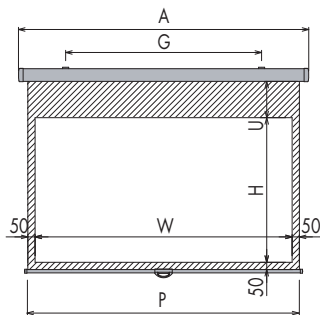
Lightly pull the screen downwards and it will be locked at your desired position. To return it back to original position will be smooth and simple.



Screen will return as quietly and slowly as the electric-driven type, so there is no worry of any damage caused by over-powered impact.



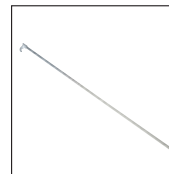
■ A1



■ Accessories:  
Bracket



■ Accessories:  
Aluminum bar to pull down the screen



■ Optional item:  
P21-A/P22-A  
Extension pole (can be installed by user itself)



A1-H Series HDTV Format (16:9 / 1.78:1 Aspect Ratio)	Image Size W x H (mm)	Case Length A (mm)	Case Width B (mm)	Case Height C (mm)	Upper Black Border U (mm)	Screen Height T (mm)	Mounting Distance G (mm)	Lower Bar Width P (mm)	Screen Weight (kg)	White Mat (WG 103)	Pure Mat II plus (WF 202)	Ultra Beads (BU 201/2)
<b>Standard</b>												
A1-080H-064	1771 x 996	2000	110	138	640	1845	1350 or above	1925	9.0	○	○	-
A1-090H-051	1992 x 1121	2225	110	138	510	1845	1350 or above	2145	9.9	○	○	-
A1-100H-039	2214 x 1245	2445	110	138	390	1845	1800 or above	2370	10.8	○	○	-
A1-110H-027	2435 x 1370	2665	110	138	270	1845	1800 or above	2590	11.7	○	○	-
A1-120H-014	2657 x 1494	2890	110	138	140	1845	2250 or above	2810	12.6	○	○	-
<b>Long Upper Black Border</b>												
A1-080H-110	1771 x 996	2000	110	138	1100	2305	1350 or above	1925	9.4	-	○	○
A1-090H-097	1992 x 1121	2225	110	138	970	2305	1350 or above	2145	10.3	-	○	○
A1-100H-085	2214 x 1245	2445	110	138	850	2305	1800 or above	2370	11.2	-	○	○
A1-110H-073	2435 x 1370	2665	110	138	730	2305	1800 or above	2590	12.1	-	○	○
A1-120H-060	2657 x 1494	2890	110	138	600	2305	2250 or above	2810	13.0	-	○	○
<b>NEW</b>												
A1-L Series Cinemascope Format (2.35:1 Aspect Ratio)	Image Size W x H (mm)	Case Length A (mm)	Case Width B (mm)	Case Height C (mm)	Upper Black Border U (mm)	Screen Height T (mm)	Mounting Distance G (mm)	Lower Bar Width P (mm)	Screen Weight (kg)	White Mat (WG 103)	Pure Mat II plus (WF 202)	Ultra Beads (BU201/2)
<b>Standard</b>												
A1-100L-064	2337 x 995	2570	110	138	640	1845	1800 or above	2490	11.5	-	○	○
A1-110L-054	2571 x 1094	2800	110	138	540	1845	2250 or above	2725	11.5	-	○	○
<b>A1-V Series Video Format (4:3 / 1.33:1 Aspect Ratio)</b>												
<b>Standard</b>												
A1-080V-088	1626 x 1219	1855	110	138	880	2305	1000 or above	1780	9.1	○	○	○
A1-090V-072	1829 x 1372	2060	110	138	720	2305	1000 or above	1985	9.9	○	○	○
A1-100V-057	2032 x 1524	2265	110	138	570	2305	1350 or above	2185	10.7	○	○	○
A1-110V-042	2235 x 1676	2465	110	138	420	2305	1350 or above	2390	11.6	○	-	○
A1-120V-027	2438 x 1829	2670	110	138	270	2305	1700 or above	2590	12.4	○	-	○

# PA-01 / PA-02

Excellent flatness Screen

**Fixed Type [PAT.]**

Screen Materials: **WG** **WF** **WS** **BU** **PP** **SD**

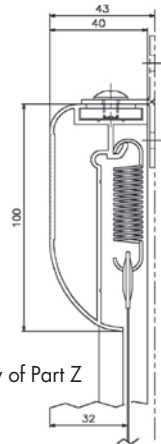
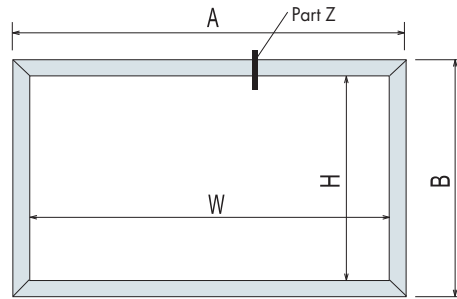
- The spring design creates excellent flatness in all directions and gives the best image quality.
- The frame is made from a "knock-down aluminium frame" which can be easily transported, assembled and maintained.
- Provide with the necessary metal tool for easy fixing to the wall.
- After the two metal joints are fixed vertically on the wall, the horizontal position can be further adjusted (if fixed in a left-right positions, then the screen can be adjusted upwards and downwards).

• **PA-01 series: Classic Fixed Type**

The screen comes in a matte black finish.

• **PA-02 series: Deluxe Fixed Type**

The frame with superior velvet finish gives a better appearance of the installation, also provides a perfect black border to the image.

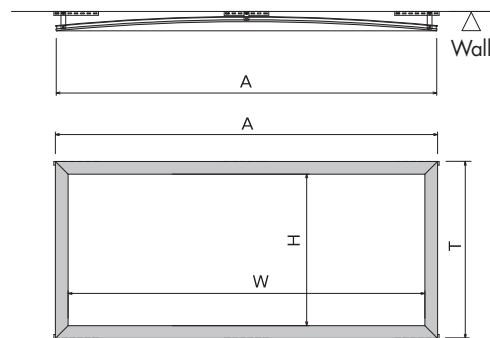


Cross-section view of Part Z

## NEW PA-LC-02

**Fixed Curve Type**

Screen Materials: **WF** **WS** **BU** **SD**



PALC Series Cinemascope Format (2.35:1 Aspect Ratio)	Image Size W x H (mm)	Screen Length A (mm)	Screen Height T (mm)	Frame Width (mm)	Screen Weight (kg)	White Mat (WG103)	Pure Mat II plus (WF 202)	Sound Mat (WS 102)	Ultra Beads (BU 201/2)	Peel (PP)
<b>Standard</b>										
<b>PA-120LC-02</b>	2795 x 1193	2994	1397	40	13.5	-	○	○	○	-
<b>PA-130LC-02</b>	3029 x 1294	3228	1498	40	14.5	-	○	○	○	-
<b>PA-140LC-02</b>	3263 x 1393	3462	1597	40	15.5	-	○	○	○	-
<b>PA-150LC-02</b>	3492 x 1491	3690	1695	40	16.5	-	○	○	○	-



The speakers are illustration only

# SOUNDMAT

## THX Certified acoustic transparent screen



PA-H Series HDTV Format (16:9 / 1.78:1 Aspect Ratio)	Image Size W x H (mm)	Screen Length A (mm)	Screen Height T (mm)	Frame Width (mm)	Screen Weight (kg)	White Mat (WG 103)	Pure Mat II plus (WF 202)	Sound Mat (WS 102)	Ultra Beads (BU 201/2)	Pearl (PP 201)	3D Sliver (SD)
<b>Standard</b>											
PA-080H-01/PA-080H-02	1771 x 996	1975	1211	43	10.0	-	○	○	○	○	○
PA-090H-01/PA-090H-02	1992 x 1121	2196	1336	43	11.0	-	○	○	○	○	○
PA-100H-01/PA-100H-02	2214 x 1245	2418	1460	43	12.0	-	○	○	○	○	○
PA-110H-01/PA-110H-02	2435 x 1370	2639	1585	43	13.5	-	○	○	○	○	○
PA-120H-01/PA-120H-02	2657 x 1494	2861	1709	43	14.0	-	○	○	○	○	○
PA-130H-01/PA-130H-02	2878 x 1619	3082	1834	43	15.5	-	○	○	○	-	○
PA-140H-01/PA-140H-02	3099 x 1743	3303	1958	43	17.0	-	○	○	○	-	○
PA-150H-01/PA-150H-02	3321 x 1868	3525	2083	43	18.5	-	○	○	○	-	○

### NEW

PA-L Series Cinemascope Format (2.35:1 Aspect Ratio)	Image Size W x H (mm)	Screen Length A (mm)	Screen Height T (mm)	Frame Width (mm)	Screen Weight (kg)	White Mat (WG 103)	Pure Mat II plus (WF 202)	Sound Mat (WS 102)	Ultra Beads (BU 201/2)	Pearl (PP 201)	3D Sliver (SD)
<b>Standard</b>											
PA-100L-01/PA-100L-02	2337 x 995	2541	1210	43	9.8	-	○	○	○	-	○
PA-110L-01/PA-110L-02	2571 x 1094	2775	1309	43	10.4	-	○	○	○	-	○
PA-120L-01/PA-120L-02	2805 x 1193	3009	1408	43	12.1	-	○	○	○	-	○
PA-130L-01/PA-130L-02	3038 x 1294	3242	1509	43	12.7	-	○	○	○	-	○
PA-140L-01/PA-140L-02	3272 x 1393	3476	1608	43	13.4	-	○	○	○	-	○
PA-150L-01/PA-150L-02	3506 x 1491	3710	1706	43	15.4	-	○	○	○	-	○

### NEW

PA-L Series Cinemascope Format (2.4:1 Aspect Ratio)	Image Size W x H (mm)	Screen Length A (mm)	Screen Height T (mm)	Frame Width (mm)	Screen Weight (kg)	White Mat (WG 103)	Pure Mat II plus (WF 202)	Sound Mat (WS 102)	Ultra Beads (BU 201/2)	Pearl (PP 201)	3D Sliver (SD)
<b>Standard</b>											
PA-100L-01/PA-100L-02	2334 x 977	2548	1192	43	9.8	-	○	○	○	-	○
PA-110L-01/PA-110L-02	2580 x 1075	2784	1290	43	10.4	-	○	○	○	-	○
PA-120L-01/PA-120L-02	2814 x 1173	3018	1388	43	12.1	-	○	○	○	-	○
PA-130L-01/PA-130L-02	3048 x 1270	3252	1485	43	12.7	-	○	○	○	-	○
PA-140L-01/PA-140L-02	3283 x 1368	3487	1583	43	13.4	-	○	○	○	-	○
PA-150L-01/PA-150L-02	3517 x 1465	3721	1680	43	15.4	-	○	○	○	-	○

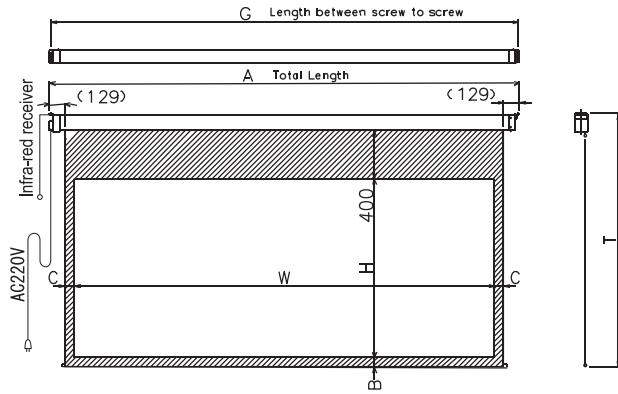
PA-V Series Video Format (4:3 / 1.33:1 Aspect Ratio)	Image Size W x H (mm)	Screen Length A (mm)	Screen Height T (mm)	Frame Width (mm)	Screen Weight (kg)	White Mat (WG 103)	Pure Mat II plus (WF 202)	Sound Mat (WS 102)	Ultra Beads (BU 201/2)	Pearl (PP 201)	3D Sliver (SD)
<b>Standard</b>											
PA-080V-01/PA-080V-02	1626 x 1219	1830	1434	43	9.5	○	○	-	○	○	○
PA-090V-01/PA-090V-02	1829 x 1372	2033	1587	43	11.0	○	○	-	○	○	○
PA-100V-01/PA-100V-02	2032 x 1524	2236	1739	43	12.0	○	○	-	○	○	○
PA-110V-01/PA-110V-02	2235 x 1676	2439	1891	43	13.5	○	○	-	○	○	○
PA-120V-01/PA-120V-02	2438 x 1829	2642	2044	43	14.0	○	○	-	○	-	○
PA-130V-01/PA-130V-02	2642 x 1981	2846	2196	43	16.0	○	○	-	○	-	○
PA-140V-01/PA-140V-02	2845 x 2134	3049	2349	43	18.0	○	○	-	○	-	○
PA-150V-01/PA-150V-02	3048 x 2286	3252	2501	43	19.5	○	○	-	○	-	○

# EA-E

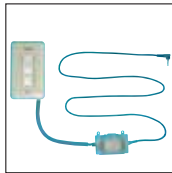
## Large Electric Type

Screen Materials: **WG WF WS BU**

- Easily operated by using the Infra-Red remote control, the IR receiver can be placed anywhere within 300mm of control socket.
- Screen case in a balanced design, easier to determine the centre point of the screen.
- By using a stronger roller and a heavy duty tubular motor to maintain the screen surface in its best status.
- Low voltage contact-type switch (FS-1) is also available for extended flexibility.

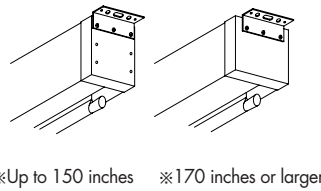


■ **Accessories:**  
Infra-red Remote Control & receiver (FS-6)

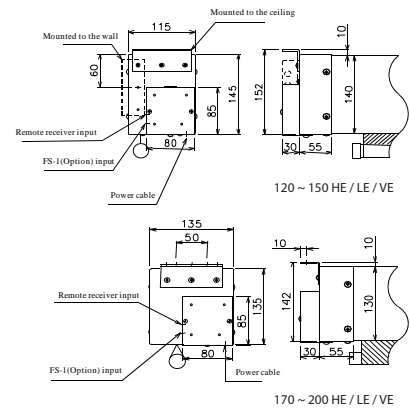


■ **Optional item:**  
Contacttype Switch (FS-1)

■ **Screen Casing**



※Up to 150 inches    ※170 inches or larger



120 ~ 150 HE / LE / VE

170 ~ 200 HE / LE / VE

EA-E Series HDTV Format (16:9 / 1.78:1 Aspect Ratio)	Image Size W x H (mm)	Mounting Size G (mm)	Case Length A (mm)	Case Width B (mm)	Case Height C (mm)	Upper Black Border U (mm)	Screen Height T (mm)	Screen Weight (kg)	White Mat (WG 103)	White Mat (WG 207)	Pure Mat II plus (WF 202)	Sound Mat (WS 102)	Ultra Beads (BU 201/2)
<b>Standard</b>													
EA-120HE-040	2657 x 1494	2995	3015	114	195	400	2117	27.0	○	-	○	○	○
EA-150HE-040	3321 x 1868	3719	3739	114	195	400	2498	33.0	○	○	○	○	○
EA-170HE-040	3764 x 2117	4162	4182	134	185	400	2737	37.0	●	○	-	-	-
EA-200HE-040	4428 x 2491	4826	4846	134	185	400	3111	44.0	●	○	-	-	-

●: joint on the image area

EA-E Series Cinemascope Format (2.35:1 Aspect Ratio)	Image Size W x H (mm)	Mounting Size G (mm)	Case Length A (mm)	Case Width B (mm)	Case Height C (mm)	Upper Black Border U (mm)	Screen Height T (mm)	Screen Weight (kg)	White Mat (WG103)	White Mat (WG207)	Pure Mat II plus (WF 202)	Sound Mat (WS 102)	Ultra Beads (BU 201/2)
<b>Standard</b>													
EA-120LE-040	2805 x 1193	3143	3163	114	195	400	1816	29.0	○	○	○	○	○
EA-150LE-040	3509 x 1491	3904	3924	114	195	400	2110	36.0	○	○	○	○	○
EA-170LE-040	3973 x 1691	4371	4391	134	185	400	2311	40.0	○	○	○	-	-

●: joint on the image area

EA-E Series Video Format (4:3/1.33:1 Aspect Ratio)	Image Size W x H (mm)	Mounting Size G (mm)	Case Length A (mm)	Case Width B (mm)	Case Height C (mm)	Upper Black Border U (mm)	Screen Height T (mm)	Screen Weight (kg)	White Mat (WG103)	White Mat (WG 207)	Pure Mat II plus (WF 202)	Sound Mat (WS 102)	Ultra Beads (BU 201/2)
<b>Standard</b>													
EA-120VE-040	2438 x 1829	2776	2796	114	195	400	2455	26.0	○	-	○	○	○
EA-150VE-040	3048 x 2286	3446	3466	114	195	400	2916	32.0	●	○	-	○	○
EA-170VE-040	3454 x 2591	3853	3873	134	185	400	3211	36.0	●	○	-	○	○
EA-200VE-040	4064 x 3048	4462	4482	134	185	400	3670	43.0	●	○	-	-	-

●: joint on the image area

# MR

## Magnet Screen

- Combination of white board and projection screen.
- Ease-of-use, also light weight (1.9kg) which is convenient to carry.
- The magnet screen has an excellent flatness which gives out a superior projection image.
- End-users can use their white-board maker pen to write on the screen surface during the meeting, teaching or giving presentation.
- The magnet screen comes with 2 different sizes (60 inches and 72 inches) for selection.

### Magnet Screen



RoHS

- **Accessories:**  
 Carrying Case x 1  
 Eraser x 1  
 Marker  
 (Red x 1 ; Black x 1)

Screen Materials: Fluorine compound polyester



MR-1209W



MR-1511W

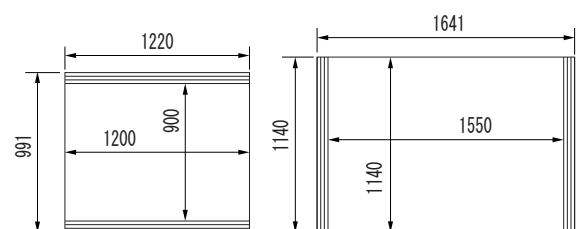


Attach to the magnetic substance such as blackboards, roll it down.



To take off, roll up from the handle.

Model	Image Size W x H (mm)	Dimensions W x H x Thickness (mm)	Weight (kg)	Screen Material
MR-1209W	1220 x 900	1220 x 991 x 0.4	1.9	Fluorine compound polyester
MR-1511W	1550 x 1140	1641 x 1140 x 0.4	2.7	Fluorine compound polyester



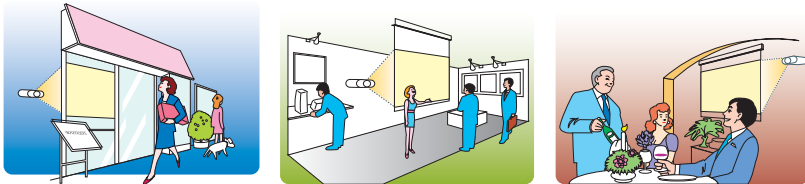
# IE / IM

INFOSHOT

## Rear Projection Type

- New visual experience which sets a new record in the screen world
- Creative product to enhance retail point advertisements
- Innovative ideas and advanced technology to realise the superb image effects and easy use
- Breaks through widely accepted ideas and sets a new stage in the screen world

## "INFOSHOT" takes you to an innovative and exciting world



### 1) As a window display or interactive advertisement

Unlike other conventional fixed type screens, INFOSHOT may be put back into the storage case during the day and only be used for displaying advertisements when the shop closes.

### 2) As a dynamic display in exhibitions

The screen may be rolled up and hidden at anytime without affecting normal business activities. When in use, it can provide an "air-movie" effect – a breakthrough in space usage.

### 3) To create ambience for evening events

INFOSHOT can be used for broadcasting information or entertainment programs creating a new visual sensation.

Screen Materials: **PW** Available material: HL98W(plastic film portion)/PW(image area)



Picture shows the real projected image.



## Realising the air-movie effect

We are the first manufacturer to adopt highly transparent plastic film in the screen, making the screen look like it is floating in the air. This helps to achieve an air-movie effect.

## Screen can be put back in to case when not in use

When not in use, the screen can be rolled back to the storage case to ensure perfect use of space.



## Two modes to choose from

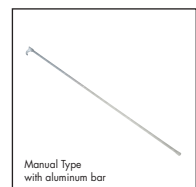
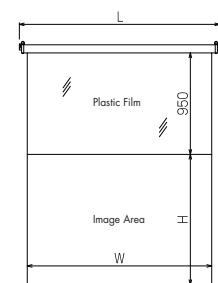
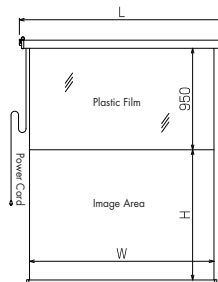
Available in both Manual Type and Electric Type with their respective features. You may select a model based on your requirement and budget.

IE Series Video Format (4:3 / 1.33:1 Aspect Ratio)	Image Size W x H (mm)	Case Length L (mm)	Screen Weight (kg)	Remote Control Type	Plastic Film (PW)
<b>Electric Type</b>					
IE-080V	1726 x 1219	1916	8.0	Intra-red	○
IE-100V	2132 x 1524	2322	9.5	Intra-red	○

IE Series HDTV Format (16:9 / 1.78:1 Aspect Ratio)	Image Size W x H (mm)	Case Length L (mm)	Screen Weight (kg)	Remote Control Type	Plastic Film (PW)
<b>Electric Type</b>					
IE-080H	1871 x 996	2061	8.4	Intra-red	○
IE-100H	2314 x 1245	2504	10.5	Intra-red	○

IM Series Video Format (4:3 / 1.33:1 Aspect Ratio)	Image Size W x H (mm)	Case Length L (mm)	Screen Weight (kg)	Remote Control Type	Plastic Film (PW)
<b>Manual Type</b>					
IM-080V	1726 x 1219	1874	6.8	-	○
IM-100V	2132 x 1524	2280	8.7	-	○

IM Series HDTV Format (16:9 / 1.78:1 Aspect Ratio)	Image Size W x H (mm)	Case Length L (mm)	Screen Weight (kg)	Remote Control Type	Plastic Film (PW)
<b>Manual Type</b>					
IM-080H	1871 x 996	2019	7.4	-	○
IM-100H	2314 x 1245	2462	9.5	-	○



# P-Series

## P1

### Extension Pole

• The extension pole enables easy fixing of the small-sized projector and screen without using any nails or anchor-board onto the ceiling or wall - which is especially good for using in rented apartments etc. • For households with small children, it is also possible to nail the pole onto the wall to further stabilise it. • By using various kinds of brackets, users may fix the screen by themselves without the need to hire outside contractors. • Even for uneven ceiling heights, by using the slide along the pipe, the screen can be easily fixed to the desired height. • In case the ceiling height is outside the range of the products, custom-order is also possible.

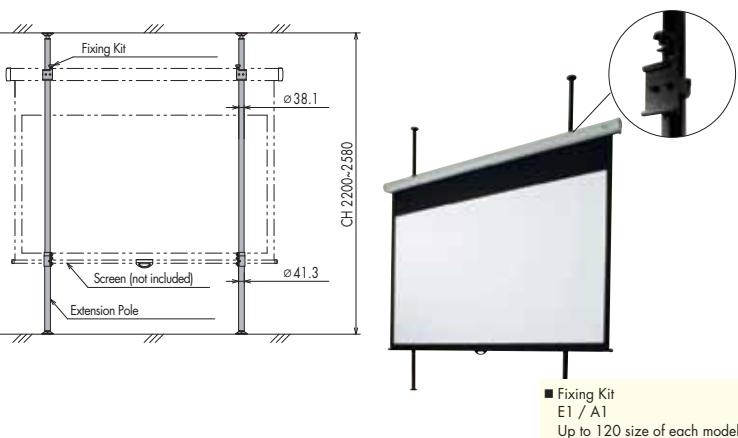


Model	Color	Applicable Ceiling Height (mm)	Weight (kg)
<b>Extension Pole</b>			
P1	Black	2200~2580	1.6
P1S	Silver	2200~2580	1.6

## P2

### Screen Fixing Kit Set

• The bracket specially designed for fixing the screen. • The bracket helps to fix the screen at the desired height. • The bracket can be fixed to the extension pole by a hexagon-screwdriver. • When placing the custom-made pole, please also order the P2-A which is not included in the package.



Model	Color	Applicable Ceiling Height (mm)	Weight (kg)	Components
<b>Screen Fixing Kit Set</b>				
P21-A	Black	2200~2580	3.8	P1 Extension Pole (2 pieces) Screen-fixing Kit (1-pair)
P22-A	Silver	2200~2580	3.8	P1S Extension Pole (2 pieces) Screen-fixing Kit (1-pair)

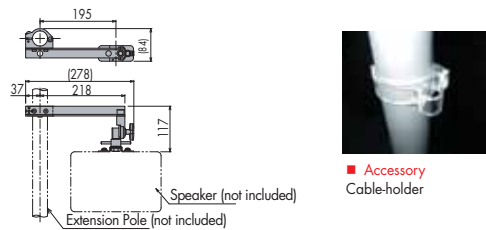
Model	Color	Weight (kg)
<b>Screen-fixing Kit</b>		
P2-A(pair)	Black	0.6



## P3

### Speaker-suspension Kit Set

• Bracket is designed for hanging down the speakers from above. • Speakers can be set at the desired position by adjusting the heights of the bracket. • Brackets come in a pair to be placed both sides, and goes well with the interior design of the house. • The bracket can be fixed to the extension pole by a hexagon-screwdriver. • Three cable-holders are attached to each bracket for organising the speaker cables. • In case user needs to order a custom-made pole, please order the P3-A which is not included in the package.



Model	Color	Applicable Ceiling Height (mm)	Weight (kg)	Components	Accessory
<b>Speakers Suspension Kit Set</b>					
P31-A	Black	2200~2580	4.6	P1 extension pole (2 pieces) Speaker-suspension Kit (1-pair)	Cable-holder (6 pieces)
P32-A	Silver	2200~2580	4.6	P1S extension pole (2 pieces) Speaker-suspension Kit (1-pair)	Cable-holder (6 pieces)

Model	Color	Weight (kg)
<b>Speaker-fixing Kit</b>		
P3-A(pair)	Black	1.4

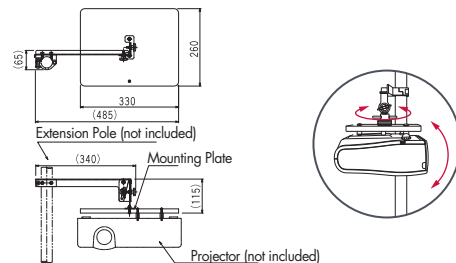


## P4

### Projector-suspension Kit Set

• Convenient for fixing a small projector without the need to hire outside contractor. • Projector can be fixed to the desired position by adjusting the height of the bracket. • The projection angle of the bracket can be finely adjusted to achieve the optimal screening effect. • The bracket can be fixed to the extension pole by a hexagon-screwdriver. • When placing the custom-made pole, please also order the P4-C/D which is not included in the package.

#### ■ P4-C/D



Model	Color	Applicable Ceiling Height (mm)	Weight (kg)	Components
<b>Projector-suspension Kit Set</b>				
P41-C/P41-D	Black	2200~2580	3.2	P1 Extension pole (1 piece) Projector-suspension kit (1 piece)
P42-C/P42-D	Silver	2200~2580	3.2	P1S Extension Pole (1 piece) Projector-suspension Kit (1 piece)

Model	Color	Weight (kg)	Tolerable weight N(kgf)
<b>Projector-fixing Kit</b>			
P4-C	Black	1.6	49(5)
P4-D	Black	1.6	49(5)

- Applicable projector type
- P4-C
  - Panasonic TH-AE200,300,500,700,800
  - Mitsubishi LVP-HC900, LVP-HC100
  - Sanyo PJ-TX100J
- P4-D
  - Panasonic TH-AX100
  - Mitsubishi LVP-HC3100, LVP-HC1100
  - Hitachi PJ-TX200J
  - EPSON EMP-TW20
  - Optoma HD81, HD72
  - SHARP XVZ3000





Safety  
Measures

To ensure the product is used safely, please carefully read both the Manual and the following Safety Precautions.

**Safety Precautions and other important notes**

- The screen may fall off when the ceiling or the wall used to hold the screen is not strong enough, and therefore users are to ensure the wall or ceiling (especially in case of plaster or wood-board etc) is adequately strengthened before setting the screen.
- An improper fixing or electrical work may lead to electricity leakage or even fire. Therefore users are highly recommended to appoint our short-listed contractors.
- The surface of the screen is specially processed to enhance the screening effect, and any dirt or damage to the screen could worsen the quality. Hence users shall observe the following measures
  - (i) Do not touch the screen surface with bare hands.
  - (ii) Do not write directly on the screen.
  - (iii) Do not scrub the screen surface with any hard objects.
  - (iv) Only soft brush or dry cloth shall be used to wipe off the dust from the screen. Never use a wet cloth nor any chemicals to clean the screen surface.
  - (v) **Bring the screen in setting on proper level, watching from the case edge-otherwise some lines or V-shape wrinkles shall be brought the screen fabric.**
- The screen fabric may slightly expand or shrink subject to the room temperature or humidity.
- When using the models with Infra-red remote control, the receptors shall not be placed closed to other florescent lamp or device to avoid any false signals.

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Sales agent

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- Product specifications are subject to change without notice.