



PROJECTION SCREEN CATALOG Vol.3



OSI CO., LTD.

A light gray world map is centered in the background of the page. The company name 'OSI CO., LTD.' is written in a large, bold, red, italicized font across the middle of the map.

OSI CO., LTD.

Spread Japanese quality products to the world

As the base of OS international, OSI is developing the worldwide business toward Asia, Europe, North America, Africa based on Hong Kong.

Message

We will deliver the products which reflecting customer's real needs to whole world.

We OS group company has been in manufacturing achievement and experiences for over 65 years in Japan. We have been providing a good life and convenient business space, better educational environment through our products and services.

OSI CO., LTD. will aim to build strong network on 10,000 dealers around the world in 196 countries based on "One country One distributor" in order to deliver the Made in Japan quality OS products to the whole world.

Especially non-electrification area in Africa, we have been providing a good life through many participation of power feeding project by our solar sheet product.

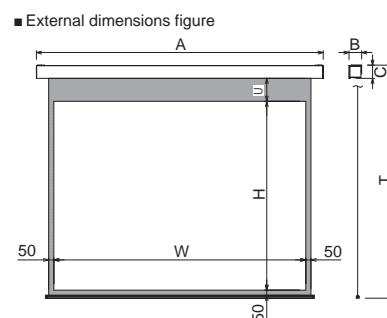
We will aim to become the company deeply trusted by our distributor and dealer for years to come.

We appreciate your continued guidance and support.

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How to read specification table

- (1) A character in the table indicates the one in figure.
For example Image size expresses the range of projecting image, which is W×H.
- (2) Diagonal size indicates the general inch size of screen.
- (3) External dimensions is the size including the protrusions like the handles and/or the brackets.



Example

[HD 16:9]

Diagonal size(inch)	Model	Image size W×H(mm)	Length A(mm)	Height T(mm)	UBB U(mm)	Side mask (mm)	Depth B(mm)	Height when in stored C(mm)		
80	EP-080HM-W1A	1771×996	2118	2223 2217 <small>130+inch of WF302 is 2248</small>	1004	50	134	145		
90	EP-090HM-W1A	1992×1121	2339		879					
100	EP-100HM-W1A	2214×1245	2561		755					
110	EP-110HM-W1A	2435×1370	2782		630					
120	EP-120HM-W1A	2657×1494	3004		506					
130	EP-130HM-W1A	2878×1619	3225		381				135	139
140	EP-140HM-W1A	3099×1743	3446		257				<small>130+inch of WF302 is 155</small>	<small>130+inch of WF302 is 170</small>

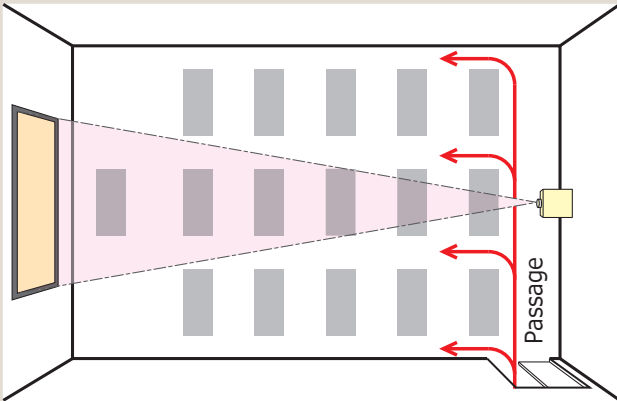
The point of screen setting

1 Projection screen and ambient light

It is ideal that the projection screen reflect only the light from a projector, but there is the various ambient light, which comes from other than a projector for example outside light, and interior lights. Especially you need to deal with the "Stray Light", which light once reflected a projection screen comes back to projection screen again reflected by walls, furniture, and interiors.

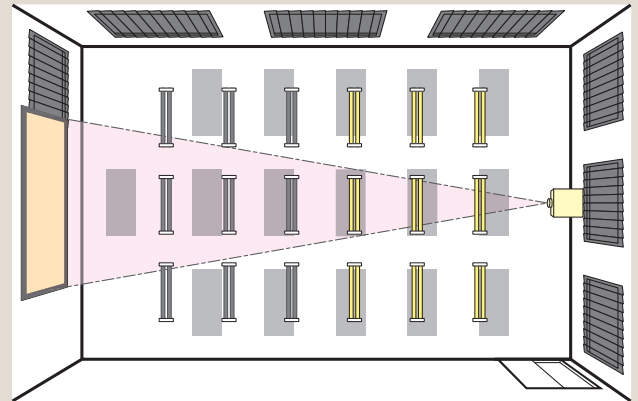
The ideal environment

The figure as below shows the room without ambient light, and the entrance placed at backward of the room that wouldn't bother audience. You need to think how to avoid outside light at the time of anyone coming in.



Solution for ambient light

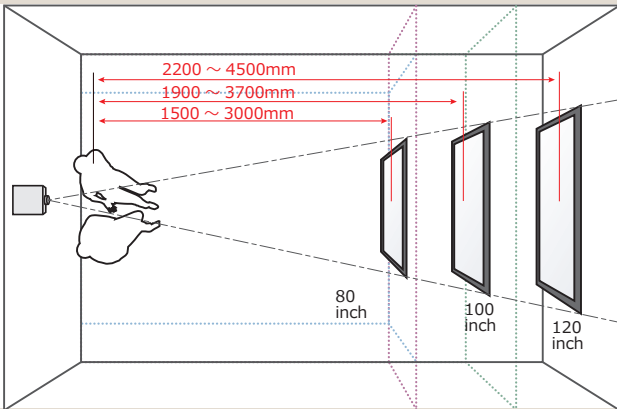
You thoroughly consider the way to block the outside light to install a projection screen in the room that already have some windows. The interior light is useful for turn on/off each light. Since the fluorescent light is diffused, it is necessary to consider avoiding the projection screen lighted.



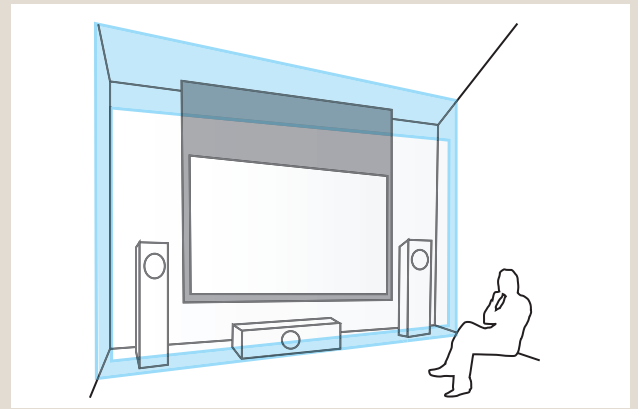
2 To decide the size of projection screen

The best distance between the projector and viewing position is 1.5 – 3.0 times of image height. However, you consider the room size, the place to install, and through distance and brightness.

The best distance is the only reference which is based on fatigue when watching for a long time, and the projector pixel. The screen size depends on the purpose of use, for example watching the movie, or sports video game, or using for conference.



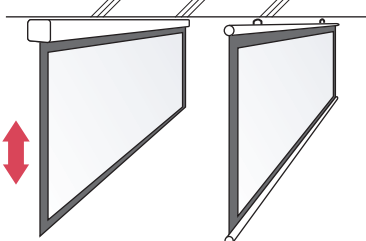
The position of speakers is very important to enjoy watching. You determine the speaker size at first. In case you would like to install the projection screen to the entire wall, you have to choose sound screen and keep the space for speakers behind the projection screen.



3 To determine install position

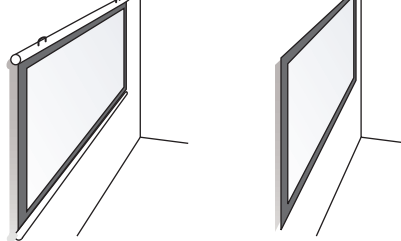
On the ceiling

Electric/Manual/Hand-rolled



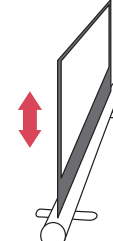
On the wall

Electric/Manual/Hand-rolled/Fixed frame



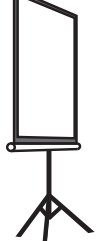
On the floor

Floor standing type



Screen stand

Tripod type



The point of screen setting

4 Selection of projector

The criteria for selecting a projector are ①Throw distance ②Brightness ③Resolution ④Contrast ratio

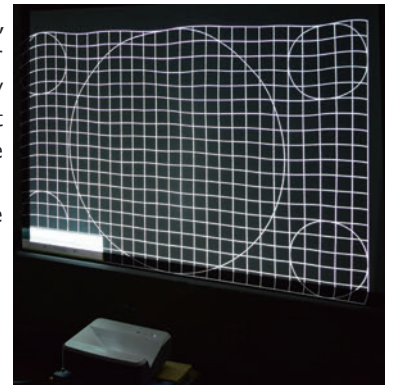
- ①It is the first point of selection that if the expected screen size fits in the planned location.
- ②A brightness of more than 5000 lm. For use in a general office, 3000 lm or more is required.
- ③The resolution is subject to what you look at. If you mainly look at PC data, 1:1 pixel mapping WXGA is recommended.
If you want to see 4 K HDR, you need to pay attention not only to the projector but also to peripherals such as the screen.
- ④The contrast ratio is more important than brightness in the dedicated theater room, but living theaters require.

Main resolution

Resolution	W x H(dpi)	Format
SVGA	800×600	4:3
XGA	1024×768	4:3
HDTV(720P)	1280×720	16:9
WXGA	1280×768	16:10
HDTV(FHD)	1920×1080	16:9
WUXGA	1920×1200	16:10
4K UHD	3840×2160	16:9
DCI-4K	4096×2160	1.90:1

Precautions for using ultra short throw projector.

Ultra short-throw projectors, when projected onto a regular screen, the image is extremely distorted as shown in the right picture due to the extreme incident angle. To avoid this distortion, choose a fixed screen like PX.



5 Screen material characteristics

The screen materials can be divided into four major characteristics.

Let's create a better viewing environment by knowing the difference among the four characteristics of "diffusive", "reflective", "retroreflective" and "wide gradation".

※The light reflection angle by the materials property has the same property in the vertical and horizontal directions.

Wide gradation type (HDR)	Diffusive type(White)
<p>HDR</p> <p>SCREEN</p> <p>Ambient light</p> <p>Light from the projector</p> <p>NEW CATEGORY</p> <p>It combines the other three fabric characteristics</p> <p>The screen is dedicated to HDR compatible projectors. It is a screen with a high gain but with a reduced hotspot. It features a wide range of gradation that suppresses black floating while extending the brightness. Moreover, in order to make the viewing angle as wide as possible, it has the characteristics of diffusion, regression and reflection as well.</p>	<p>WHITE</p> <p>SCREEN</p> <p>Ambient light</p> <p>Light from the projector</p> <p>It reflects close to full diffusion.</p> <p>directions allow for a wide viewing angle and is the most used screen because it allows you to view homogeneous images from any location. On the other hand, ambient light also diffuses in the same way, so it is required that there are enough light control and light output of the projector.</p>
Retroreflective type(Beads)	Reflective type(Pearl,Silver)
<p>BEADS</p> <p>SCREEN</p> <p>Ambient light</p> <p>Light from the projector</p> <p>It reflects in the same direction as the incident light</p> <p>A screen with an optical lens glass sphere scattered on the surface. Due to the nature of reflected light returning in the same direction as incident light, it is characterized by the fact that the influence of ambient light is reduced. The dynamic image is attractive as it compensates the light intensity of the projector with low light output. It is necessary that viewing at a position close to the projector.</p>	<p>Pearl,Silver</p> <p>SCREEN</p> <p>Ambient light</p> <p>Light from the projector</p> <p>It reflects in the opposite direction to the incident direction.</p> <p>A special pearl pigment gravure printed on the surface to ensure a wide viewing angle while maintaining high brightness. Reflective type that reflects light symmetrically with respect to the incident angle. The projector must be placed in a position that is symmetric with respect to the viewing position.</p>

Screen Image size table

The table as below shows the length of each general format of the Image size, which is the veiwing area.

The 100 inch size projection screen even include more than 300mm difference between NTSC (Width 2012mm), HD(Width 2214mm), Cinema Scope(Width 2337mm).Understanding the difference of each format makes your choice better!

Diagonal size(inch)	NTSC (4:3)		HD (16:9)		WXGA (16:10)		Cinema Scope(2.35:1)	
	W (mm)	H (mm)	W (mm)	H (mm)	W (mm)	H (mm)	W (mm)	H (mm)
50	1,016	762	1,107	623	1,077	673	1,169	496
60	1,219	914	1,328	747	1,292	808	1,402	597
70	1,422	1,067	1,550	872	1,508	942	1,636	696
80	1,626	1,219	1,771	996	1,723	1,077	1,870	795
90	1,829	1,372	1,992	1,121	1,939	1,211	2,103	896
100	2,032	1,524	2,214	1,245	2,154	1,346	2,337	995
110	2,235	1,676	2,435	1,370	2,369	1,481	2,571	1,094
120	2,438	1,829	2,657	1,494	2,585	1,615	2,805	1,193
130	2,642	1,981	2,878	1,619	2,800	1,750	3,038	1,294
140	2,845	2,134	3,099	1,743	3,015	1,885	3,272	1,393
150	3,048	2,286	3,321	1,868	3,231	2,019	3,506	1,491
160	3,251	2,438	3,542	1,992	3,446	2,154	3,740	1,590
170	3,454	2,591	3,764	2,117	3,662	2,288	3,973	1,691
180	3,658	2,743	3,985	2,242	3,877	2,423	4,207	1,790
190	3,861	2,896	4,206	2,366	4,092	2,558	4,441	1,889
200	4,064	3,048	4,428	2,491	4,308	2,692	4,674	1,990
210	4,267	3,200	4,649	2,615	4,523	2,827	4,908	2,089
220	4,470	3,353	4,871	2,740	4,739	2,961	5,142	2,188
230	4,674	3,505	5,092	2,864	4,954	3,096	5,376	2,286
240	4,877	3,658	5,313	2,989	5,169	3,232	5,609	2,388
250	5,080	3,810	5,535	3,113	5,385	3,365	5,843	2,486
260	5,283	3,962	5,756	3,238	5,600	3,500	6,077	2,585
270	5,486	4,115	5,977	3,362	5,816	3,634	6,310	2,686
280	5,690	4,267	6,199	3,487	6,031	3,769	6,544	2,785
290	5,893	4,420	6,420	3,611	6,246	3,905	6,778	2,884
300	6,096	4,572	6,642	3,736	6,462	4,038	7,012	2,983
310	6,299	4,724	6,863	3,860	6,677	4,173	7,245	3,084
320	6,502	4,877	7,084	3,985	6,893	4,307	7,479	3,183
330	6,706	5,029	7,306	4,109	7,108	4,442	7,713	3,281
340	6,909	5,182	7,527	4,234	7,323	4,578	7,946	3,383
350	7,112	5,334	7,749	4,359	7,539	4,711	8,180	3,481
360	7,315	5,486	7,970	4,483	7,754	4,846	8,414	3,580
370	7,518	5,639	8,191	4,608	7,969	4,982	8,648	3,679
380	7,722	5,791	8,413	4,732	8,185	5,115	8,881	3,780
390	7,925	5,944	8,634	4,857	8,400	5,251	9,115	3,879
400	8,128	6,096	8,855	4,981	8,616	5,384	9,349	3,978
410	8,331	6,248	9,077	5,106	8,831	5,519	9,582	4,079
420	8,534	6,401	9,298	5,230	9,046	5,655	9,816	4,178
430	8,738	6,553	9,520	5,355	9,262	5,788	10,050	4,276
440	8,941	6,706	9,741	5,479	9,477	5,924	10,284	4,375
450	9,144	6,858	9,962	5,604	9,693	6,057	10,517	4,476

Format of the projection screen

- NTSC (4:3) : This is the very first movie standard. The old CRT TV was adopted the same format.
- HD (16:9) : The middle size standard between NTSC and Cinema Scope. This is today' s the most popular format.
- WXGA (16:10) : This format is used for computer screen. Choose the 1:1 pixel mapping projector for the beautiful image or video.
- Cinema Scope (2.35:1) : This work which is used anamorphic lens have been developed in the process of making a widescreen movie.

Screen materials

Screen Materials

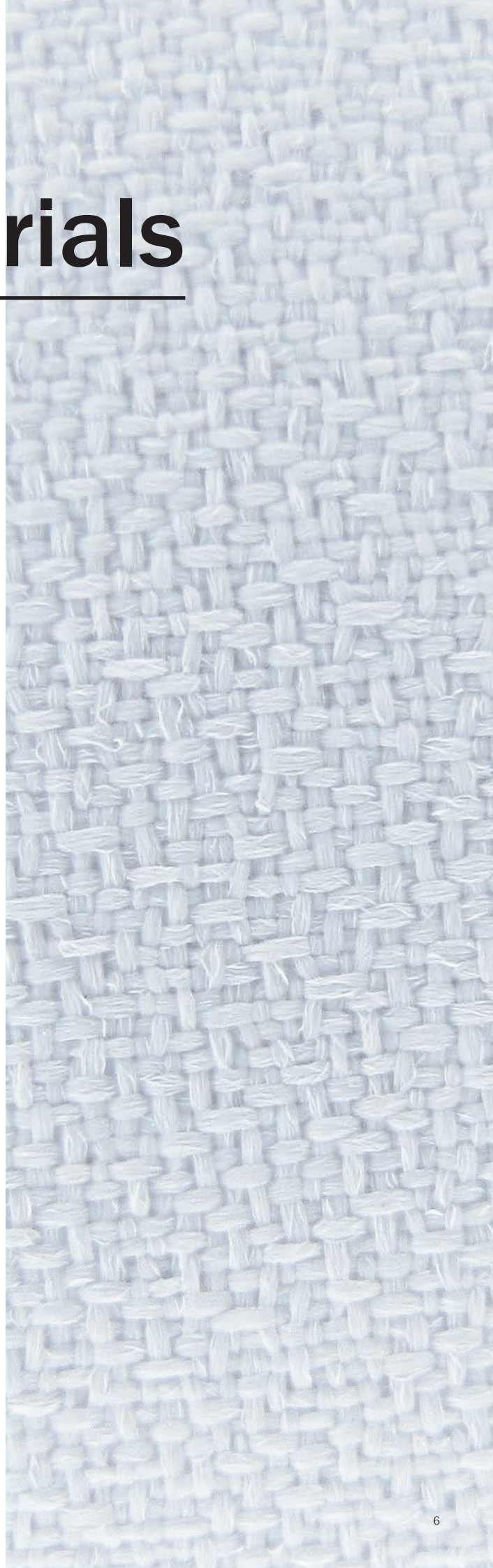
Screen materials quality is one of the most important factors to create the effective visual system.

OS SCREEN Brand Materials














OS SCREEN brand materials are designed for enjoying the high-quality video and the unparalleled experience. OS SCREEN brand materials pursue the visual beauty and immersivity.

OS Brand Materials

OS brand materials are mainly designed for business presentation, large projection such as 160 inch or more viewing size, educational use, affordable home use, and so on. OS brand materials are tough and easy handling.



Materials at glance

Material Type	Model	Gain	Half Gain Angle	High Resolution	HDR
Fabric	 REIRODORU HF102	2.7±10%	-	4K	YES
	 Pure Mat III Cinema WF302	1.00±10%	60°or More	4K	-
	 WF-Pro WF801	0.97±10%	60°or More	4K	-
	 Pure Mat 204 WF204	0.9±10%	60°or More	2K	-
Beads	 AKIREI BU301	2.02±10%	-	4K	-
White Mat	 WG103	0.9±10%	60°or More	-	-
	 WG207	0.9±10%	60°or More	-	-
	 WG107	0.8±10%	60°or More	-	-
	 WV901	0.95±10%	60°or More	-	-
Sound	 SOUNDMAT WS102	0.7±5%	60°or More	-	-
	 SOUNDMAT WS103	0.7±5%	60°or More	-	-
	 WS901	0.72±10%	60°or More	-	-
	 WS902	0.7±10%	60°or More	4K	-

AKIREI BU301



A Solidity You Would Feel It.

The Superb Screen That Fully Projects a Sharp Beauty Image in Your Living Room.

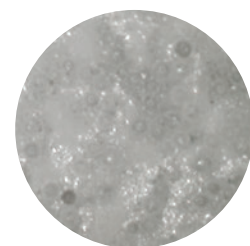
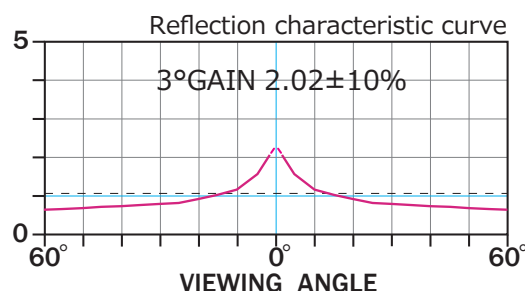
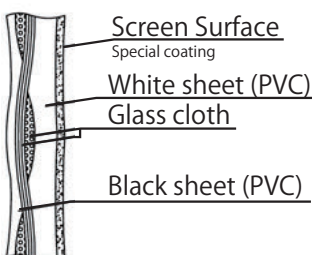
Retroreflective screens with a long history of development since the 1990s.

Taking into consideration color temperature, viewing environment, contents, and resolution (Projector), the flagship retroreflective screen "Ultra Beads AKIREI" was created more than two years, starting with the study of beads particles.

Features of Material

- A retroreflective type screen (Beads) made by scattering microscopic optical lens glass balls of different sizes and coating them with a unique coating.
- High gain 2.02 (3° GAIN) to project sharp beauty in living room.
- 4K compatible, reproduces every strand of animal hair, every grain of sand, with high-definition expressiveness that even gives a sense of three-dimensionality.

Material Reflection Characteristics



Microphotograph

REIRODORU レイロドル HF102



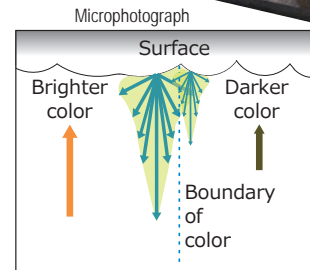
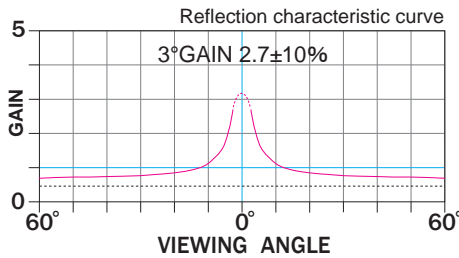
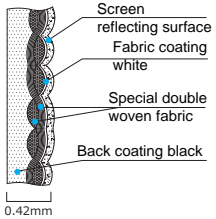
The world's first compatible screen to 4K HDR.

- A screen that makes use of the wide gradation of HDR-compatible projectors.
- High gain (luminance) screen with gain of 2.7.
- Surface processing reduced hot spots to the utmost limits.
- It offers a high viewing angle that allows comfortable viewing even off centre position.
- A fabric screen which carried on the tradition of pure mats.



Photograph :TP

HF102 Cross section



Pure Mat III Cinema WF302



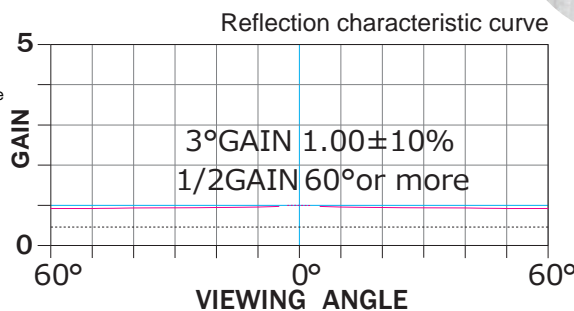
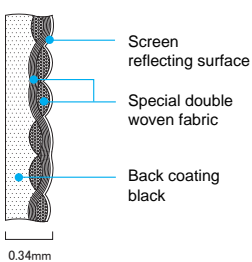
Fabric 4K compatible screen

- Fabrics: Pure Mat III Cinema is a special fabric screen which weaves simultaneously, so-called special double weave.
- Downsize the thickness of conventional pure mat yarns by half to reduce the weave texture of the random fabric surface to 1/4 that realizes the reproducibility of a very soft and mild projection and excellent focus feeling.
- Higher diffusivity: 3° gain of 1.00, ideal diffusivity which can also be a perfect diffusion.



Photograph :EP

WF302 Cross section



Microphotograph

Pure Mat 204

WF204



2K compatible screen

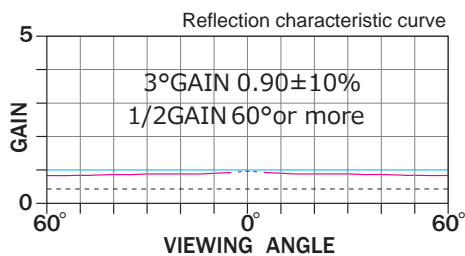
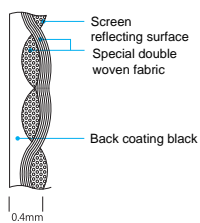
- PVC is not used for WF204.
- WF204 produces little moiré but less due to special double-folded fabrics of polyester fibers.
- This is an ideal diffusive type with almost no loss of gain even at a viewing angle of 60° or more.
- Since the screen surface is not colored, bring out more of color effect.



Microphotograph

Photograph :EP

WF204 Cross section



WF-Pro

WF801



4K compatible screen

Medical, Design, Computer Graphics and other projection fields in which emphasizing quality.
 4K compatible screen fabric for professional use that delivers truly high-definition image. "WF-Pro" is "PVC-free" that is environmentally friendly!

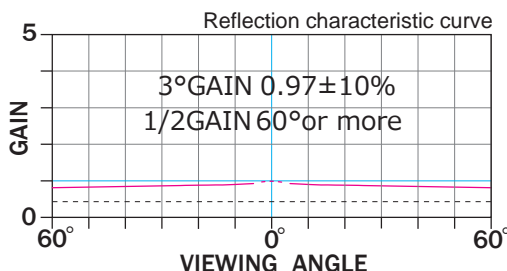
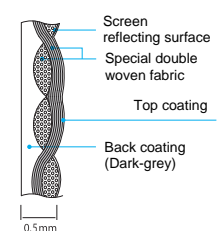
- "WF-Pro" does not use PVC.
- "WF-Pro" uses fabric base and topcoat technology that delivers the 4K high-definition image uniformly and beautiful manner.
- The random fabric makes smooth surface and does not feel moiré.
- The white topcoat truly reproduces the image.



Microphotograph

Photograph :EP

WF801 Cross section



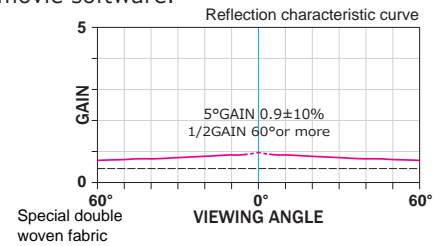
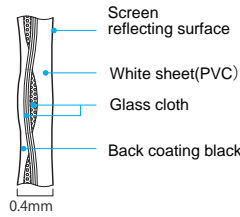
White Mat screen

The screen diffuses in all directions with respect to the incident light and has a wide viewing angle. However, since ambient light is also diffused, the projector's light output has enough power and must be used in a dark room. The gradation expression is natural, and it features video expression suitable for moister movie software.

WG103



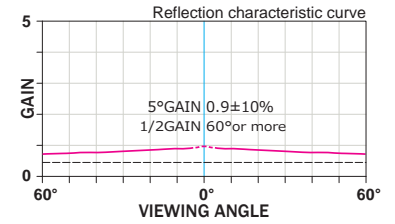
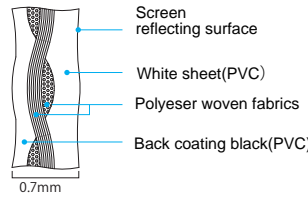
The most common white mat screen material. Screen with excellent flatness and adaptable to various fields.



WG207



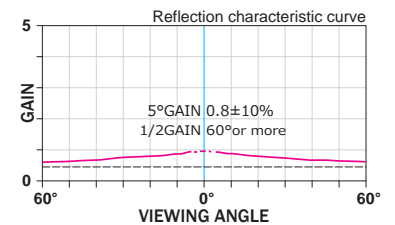
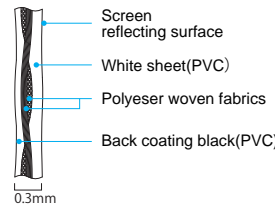
It is the seamless screen that it enables 300 inches large screen without a seam. Fabric width 5000mm



WG107



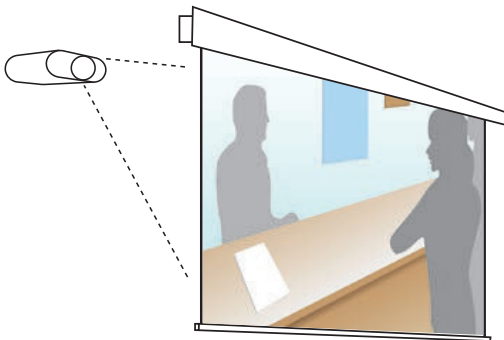
It is affordable material for fixed frame projection screen. It is not suitable for electric screen.



Rear Screen

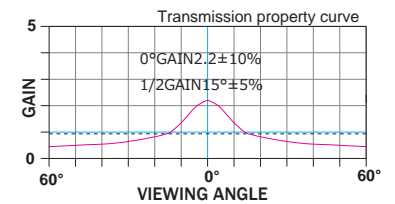
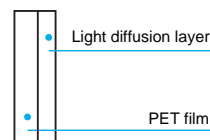
The rear screen is a screen that allows you to view the image reflected through the light from the projector placed behind the screen from the opposite side. It can be viewed relatively unaffected by external light because of a transmissive screen. You can get a clearer image than the front screen even in a bright indoor environment with fluorescent lights.

The rear screen is attached to the electric roll-up screen.



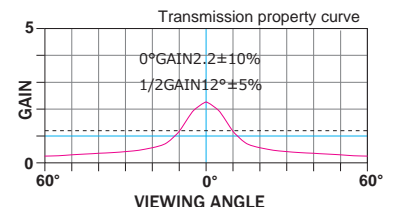
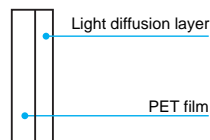
RT601

Screen color: White



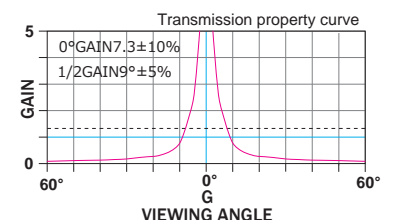
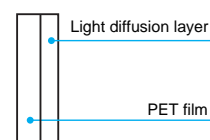
RT602

Screen color: Grey



RT603

Screen color: Transparency



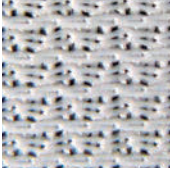
Screen materials/Other screens

Sound screen

Sound screen for those who are particular about the localization of sound on the screen. The knitting process that enables excellent acoustic transparency characteristics is an eco-screen certified by the Japan Environment Association, which does not use vinyl chloride materials and actively uses recycled materials. In addition, the image quality is a diffusive screen with the characteristics of a white mat with a wide viewing angle.

WS102

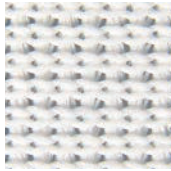
Front surface



Microphotograph

WS103

Front surface



Microphotograph

SOUND

SOUNDMAT

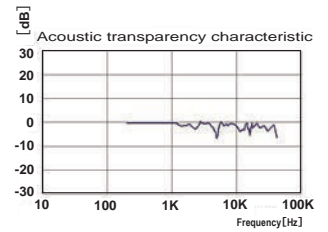
Fine knit woven sound screen

Screen reflective surface

(Pearskin finish)

WS 103 is a large exclusive fabric of type 130 and above.

Combines a diffusive type uniform screen with excellent sound transmission characteristics in the high range.

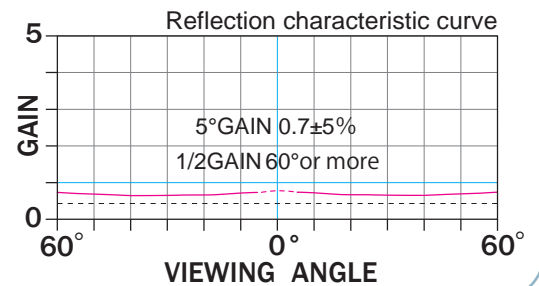
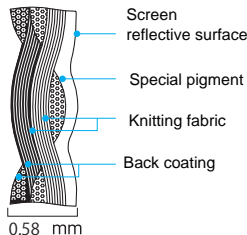


Rear surface

Prevents reflection of light from the back of the screen and stainless sputtering prevents deterioration of image quality.



Microphotograph



Manufactured by **OSM CO.,LTD.**

Sound screen

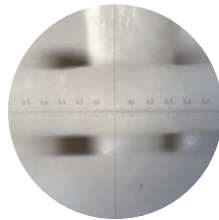
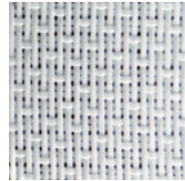
The sound screen creates soft and rich sound in the high range through the texture of the material instead of the hole.

WS901

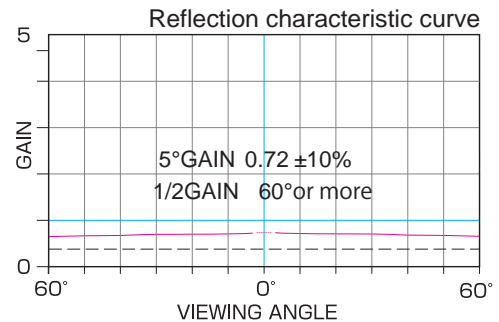
SOUND

Large and small dots reproduce a diffusive calm image that prevents moire.

Front surface



Microphotograph



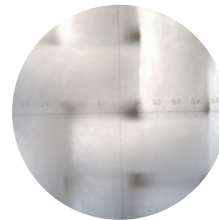
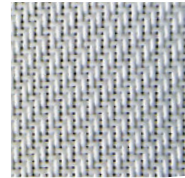
WS902

4K SCREEN

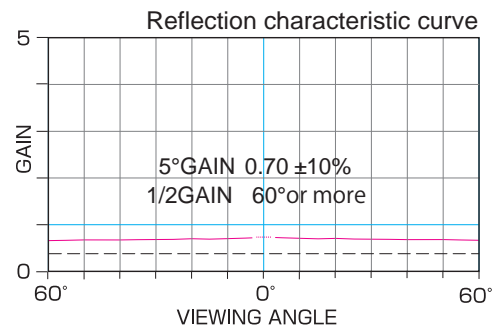
SOUND

The twill weave produces soft and durable screen.

Front surface



Microphotograph

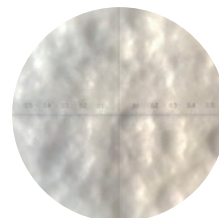


White Mat screen

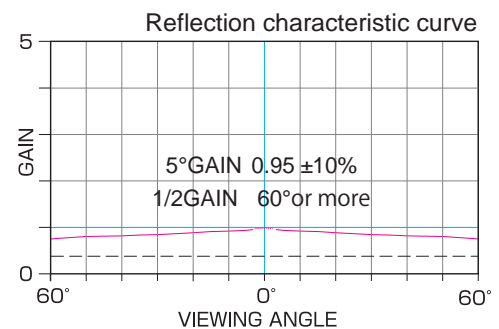
WV901

WHITE-MAT

A matte screen with a gain of 0.95 that produces a homogeneous image in almost any direction and almost perfect diffusion.



Microphotograph



Projection Screen

Projection Screens

The projection screen is consisted of screen materials and a mechanism such as electric screen or fixed frame screen.

Electric Projection Screen

The electric projection screen is motorized screen, which can be stored in the case. The electric screen matches any rooms or systems.

Fixed Frame Screen

The fixed frame screen is fixed materials and mounting on the wall or poles. The screen surface is completely flat better than electric projection screen; however, the screen materials cannot be stored.



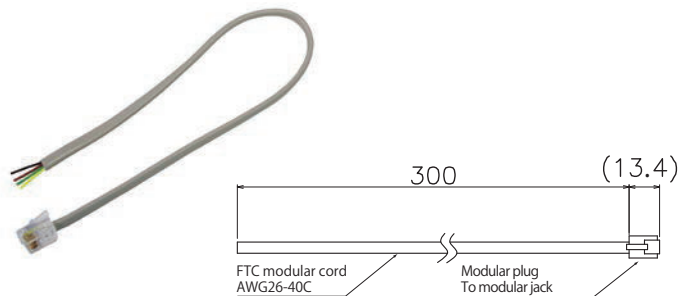
The point of screen selection

Tally

The standard circuit of P-selection electric projection screen has a tally output. Please use it for simple operation lamp display.

Trigger

Trigger terminal and trigger cable are attached to P-selection. This function allows you to connect the device with the trigger OUT and operate the projection screen and other devices together. The screen descends when 12V is on and the screen rises when 12V is off.



Trigger cable assignment	
Cable color	Assignment
Black	Trigger IN(DC12V)
Red	Trigger GND
Green	Tally GND
Yellow	Tally OUT(DC5V) *

*Input impedance

Tally : A signal to monitor the vertical movement from a distance.

Outputs 5V DC during up / down operation.(It is not possible to separate ascending and descending)

Trigger : Enables interlocking operation between the screen and other devices. Connect to a device that has a trigger out. The screen moves down when the 12V is on and moves up when the 12V is off.

Limiter setting

Electric projection screen has a limit switch, and the screen is designed to stop automatically at the storage and projection position.

The storage position (Upper limit) and the projection position (Lower limit) are already set at the factory. If you want to raise the projection position to the projector, please set according to the environment you actually use.

The setting method differs depending on the model. If you need to change the settings, carefully read the instructions included with the product.

The screen can be stopped regardless of the limit setting by pressing the "stop" button on the operation switch in between the storage position (Upper limit) and the projection position (Lower limit).

- Motor-controlled final limit (factory setting) prevents entanglement accident.
- Limit adjustment can be easily set from either the infrared remote control or the embedded switch.

Replacement of screen material

If the screen surface is stained or scratched and it interferes the image, or if you want to change the screen material from white to beads type, you can replace the screen material only.

For the P-selection, "Cartridge method" is adopted, and the screen material can be changed together with the rollers without detaching the screen body. Please contact us for more information.

Simple structure greatly improves maintainability



P-selection has achieved a simple structure. As a result, the maintainability has been greatly improved, and the screen material can be easily replaced together with the roller while the main body is installed by the cartridge system. . There is no need to send the unit back to the factory.



How to understand the model code

Please refer the information below to understand the product model code for electric projection screen and fixed frame projection screen. The product model code includes these specifications, which are “diagonal size” , “panel color” , “power source voltage” , “power plug type” .

■Electric projection screen

TP - 080 H M - W 1 A

Screen type Diagonal size Format Mask Panel color Version Number for manufacturing Power Plug and voltage

H:16:9
V: 4:3
W: 16:10
L: 2.35:1

M:Mask
N: Non-masked

W: White
K:Black

Please refer a plug and voltage table.

Several models do not have mask and color options.

Plug and Voltage table

CODE	Plug Type	Voltage
A	A type plug	100-120V
B	BF type plug	220-240V
C	A type plug	220-240V
D	C type plug	220-240V

■Fixed frame projection screen

PX - 100 H - A

Screen type Diagonal size Format Version Number for manufacturing

H:16:9
V: 4:3
W: 16:10
L: 2.35:1

Screen material table for the model

OS SCREEN	Model	Screen materials	Diagonal Size (inch) Format 16:9								
			80	90	100	110	120	130	140	150	
TP	REIRODORU	HF102	[Red bar from 80 to 140]								
		WF302	[Orange bar from 80 to 140]								
EP	Pure Mat III Cinema	WF302	[Orange bar from 80 to 140]								
		WF801	[Orange bar from 80 to 140]								
		WF204	[Orange bar from 80 to 140]								
PX	Pure Mat III Cinema	HF102	[Red bar from 80 to 150]								
		WF302	[Orange bar from 80 to 150]								
		WF801	[Orange bar from 80 to 150]								
		WF204	[Orange bar from 80 to 140]								
		WF302	[Orange bar from 80 to 150]								

Standard model	Model	Screen materials	Diagonal Size (inch)											
			80	90	100	110	120	130	140	150	170	200	250	270
SEP		WG103	[Orange bar from 80 to 200]											
		WG207	[Orange bar from 150 to 200]											
		WS102	[Purple bar from 80 to 120]											
		WS103	[Purple bar from 130 to 150]											
SEG		WV901	[Orange bar from 80 to 300]											
		WS901	[Purple bar from 80 to 200]											
		WS902	[Purple bar from 80 to 200]											
SPX		WG107	[Orange bar from 80 to 200]											
		WS102	[Purple bar from 80 to 120]											
		WS103	[Purple bar from 130 to 200]											
STF		WV901	[Orange bar from 80 to 300]											
		WS901	[Purple bar from 80 to 200]											
		WS902	[Purple bar from 80 to 200]											
SEL		WG207	[Orange bar from 250 to 270]											
EB		WG207	[Orange bar from 200 to 300]											

Pursuing image quality without compromise.

OS SCREEN

High performance model projection screen

OS group is Japanese projection screen manufacturer, who has more than 60-years history. OS SCREEN brand is a proof of the highest quality products offered by OS group, which provide you the most beautiful image.



Recommended format : 16:9

A projection screen that displays high-quality, high-resolution images more beautifully and with high definition. Home theater users are satisfied with the image quality. A lineup of products with 16: 9 format.



Product lineup



Tab tension projection screen

TP

Realization of perfect flatness ahead of the high image quality era.

HF102 WF302



Posting page:P16



P-selection / Electric projection screen

EP

Electric projection screen with simple structure and simple design.

WF302 WF801 WF204



Posting page:P17



Fixed frame projection screen

PX

High performance model combining with high delicate materials.

HF102 BU301 WF302 WF801 WF204



Posting page:P19

Tab tension projection screen

TP

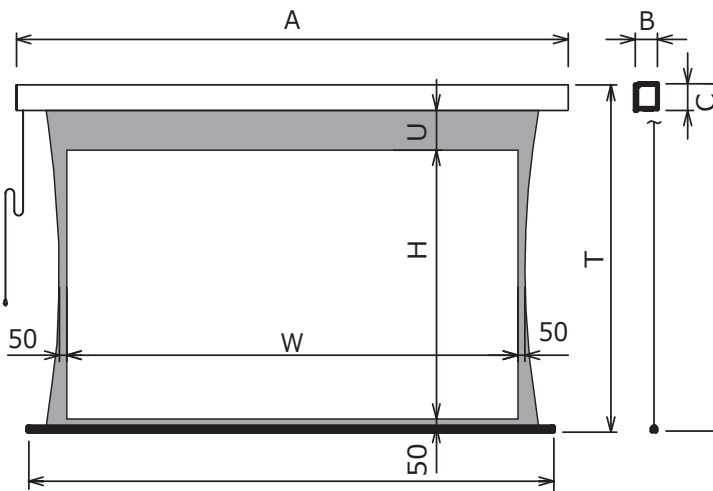


Ideal flatness with the latest developments in high quality pictures.
Supporting ultra short throw projector tab tension electric screen.



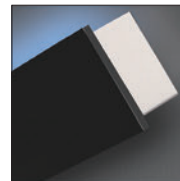
- A tab tension electric screen with superior flatness comparable to a fixed frame type.
- A tab tension mechanism that applies tension from left and right of the screen.
- Simple design with flat panel.
- P selection mechanism enabled the material exchange.

[Dimensional drawing]



Panel color is luxurious black.

Mounting brackets are equipped with sliding and side bracket as standard



Panel color (Black)



Sliding bracket
(Except 130" ~ 150")
1set:2 pairs



Side bracket
(130" ~ 150" are case integrated type)
1set:2 pairs

[HD 16:9] Please specify the model code for "x1x" by following the model building on page 26.

Diagonal size(inch)	Model	Image size WxH(mm)	Length A(mm)	Height T(mm)	UBB U(mm)	Depth B (mm)	Height when in stored C(mm)
80	TP-080HM-x1x	1771×996	2304	2223 2217	1004	134 135	145 139
90	TP-090HM-x1x	1992×1121	2525		879		
100	TP-100HM-x1x	2214×1245	2747		755		
110	TP-110HM-x1x	2435×1370	2968		630		
120	TP-120HM-x1x	2657×1494	3190	2248	506	155	170
130	TP-130HM-x1x	2878×1619	3411		381		
140	TP-140HM-x1x	3099×1743	3632		257		

* The numbers of (T),(B) and (C) above indicate when sliding bracket is used and the numbers below indicate when side bracket is used.

[Material lineup]

Diagonal size(inch)	Model	Applicable screen materials
80	TP-080HM-x1x	HF102 WF302
90	TP-090HM-x1x	HF102 WF302
100	TP-100HM-x1x	HF102 WF302
110	TP-110HM-x1x	HF102 WF302
120	TP-120HM-x1x	HF102 WF302
130	TP-130HM-x1x	HF102 WF302
140	TP-140HM-x1x	HF102 WF302

(NTSC (4:3), WXGA (16:10), Cinema Scope(2.35:1) are available on your request.)

Electric projection screen



EP

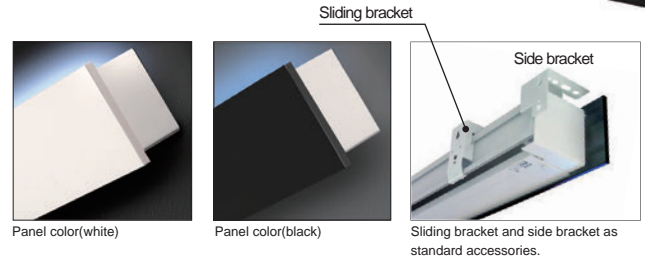
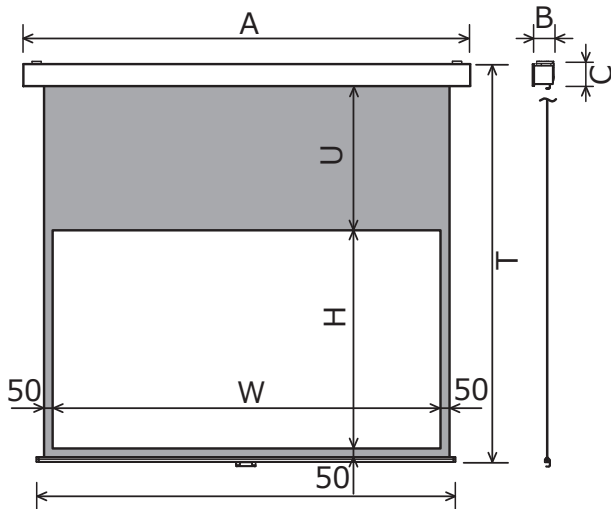


Electric projection screen that combines the best fabric for home theater use.

A high-definition model with 4K compatible screen material is WF302 & WF801.

- The simple panel design matches your interiors!
- Easy to know the center position as the case and fabric are symmetric design.
- Sliding bracket and side bracket are standard accessories.
- The front panel is detachable and exchangeable even after installation.
- Two choices of panel color black or white.
- A lineup of 4K screen WF302 & WF801 for enjoying high definition image.

[Dimensional drawing]



[HD 16:9] Please specify the model code for "x1x" by following the model building on page 26.

Diagonal size(inch)	Model	Image size WxH(mm)	Length A(mm)	Height T(mm)	UBB U(mm)	Side mask (mm)	Depth B(mm)	Height when in stored C(mm)
80	EP-080HM-x1x	1771x996	2118	2223 2217	1004	50	134	145
90	EP-090HM-x1x	1992x1121	2339		879			
100	EP-100HM-x1x	2214x1245	2561		755			
110	EP-110HM-x1x	2435x1370	2782		630			
120	EP-120HM-x1x	2657x1494	3004		506			
130	EP-130HM-x1x	2878x1619	3225		381			
140	EP-140HM-x1x	3099x1743	3446		257			
				130+inch of WF302 is 2248			130+inch of WF302 is 155	130+inch of WF302 is 170

※The numbers of (T),(B) and (C) above indicate when sliding bracket is used and the numbers below indicate when sliding bracket is used. (T),(B) and (C) of WF302 indicate when side bracket is used.

[Material lineup]

Diagonal size(inch)	Model	Applicable screen materials
80	EP-080HM-x1x	WF302 WF801 WF204
90	EP-090HM-x1x	WF302 WF801 WF204
100	EP-100HM-x1x	WF302 WF801 WF204
110	EP-110HM-x1x	WF302 WF801 WF204
120	EP-120HM-x1x	WF302 WF801 WF204
130	EP-130HM-x1x	WF302 WF801 WF204
140	EP-140HM-x1x	WF302 WF801 WF204

(NTSC (4:3), WXGA (16:10), Cinema Scope(2.35:1)are available on your request.)

Fixed frame projection screen



PX

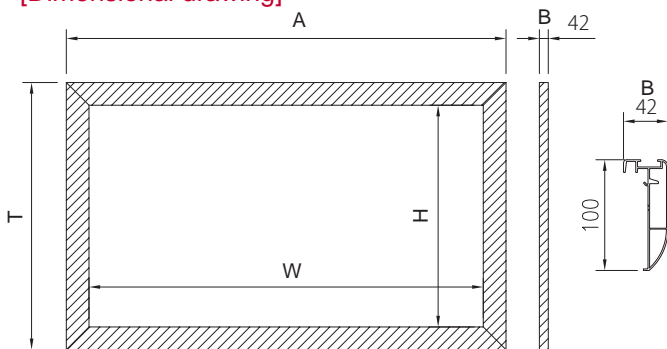


High flatness fixed frame projection screen PX unmatched any others. Lineup of 4K HDR compliant screen HF102.

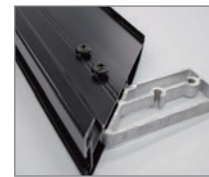


- High flatness and easy installation is available by adopting a spring fixed system.
- The spring flexibly responds to changes in the screen material environment due to temperature and humidity.
- Premium flocky is used on the frame surface.
- Easy to carry and assemble on site.
- High flatness screen is ideal for ultra short throw projectors.

[Dimensional drawing]



Flocky processed frame surface



The frame is assembled using only four simple screws.



Hook for hanging spring



Flexible springs are easily installed

[HD 16:9]

Diagonal size(inch)	Model	Image size WxH(mm)	Length A(mm)	Height T(mm)	Depth B(mm)
80	PX-080H-A	1771×996	1975	1211	42
90	PX-090H-A	1992×1121	2196	1336	42
100	PX-100H-A	2214×1245	2418	1460	42
110	PX-110H-A	2435×1370	2639	1585	42
120	PX-120H-A	2656×1494	2860	1709	42
130	PX-130H-A	2878×1619	3082	1834	42
140	PX-140H-A	3099×1743	3303	1958	42
150	PX-150H-A	3321×1868	3525	2083	42

[Material lineup]

Diagonal size(inch)	Model	Applicable screen materials				
80	PX-080H-A	HF102	WF302	WF801	WF204	BU301
90	PX-090H-A	HF102	WF302	WF801	WF204	BU301
100	PX-100H-A	HF102	WF302	WF801	WF204	BU301
110	PX-110H-A	HF102	WF302	WF801	WF204	BU301
120	PX-120H-A	HF102	WF302	WF801	WF204	BU301
130	PX-130H-A	HF102	WF302	WF801	WF204	BU301
140	PX-140H-A	HF102	WF302	WF801	WF204	BU301
150	PX-150H-A	HF102	WF302	WF801	WF204	BU301

Standard model projection screen

Standard screen comes with diffusive type of material which is excellent cost performance.



Recommended format : 16:9

This standard screen is expected to be used in any situation such as corporate presentation and home use. by projecting computer images on a large screen. The standard projection screen has a lineup of products with 16:9 format.

Product lineup



P-selection / Electric projection screen

SEP

Electric projection screen with simple structure and simple design.

WG103 WG207 WS102 WS103



Posting page:P20



Tab tension projection screen

SEG

Electric projection screen with excellent cost performance.

WV901 WS901 WS902



Posting page:P24



Fixed frame projection screen

SPX

Standard type fixed frame screen with Sound Mat.

WG107 WS102 WS103



Posting page:P22



Fixed frame projection screen

STF

Fixed frame projection screen that maximizes the appeal of the material.

WV901 WS901 WS902



Posting page:P23



Large size projection screen

SEL

Large size screen with built-in motor.

WG207



Posting page:P24



Large size projection screen

EB

Large size screen with external motor and relay box.

WG207



Posting page:P25

If you are interested in another aspect ratio, such as NTSC (4:3), WXGA (16:10), Cinema Scope(2.35:1), please contact our sales.

Electric projection screen



SEP

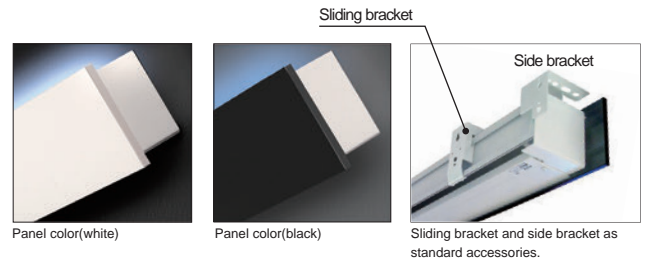
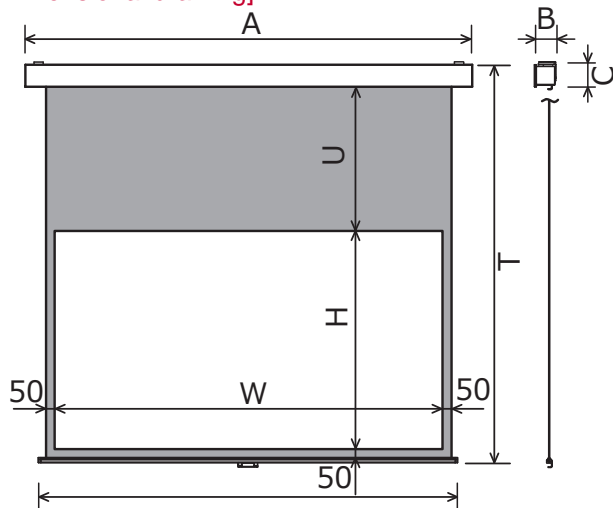
SOUNDMAT

The electric projection screen with simple design is not required any installation environment at various business scene. Compatible to 200 inches large screen.

- The simple panel design matches your interiors!
- Easy to know the center position as the case and fabric are symmetric design.
- Sliding bracket and side bracket are standard accessories.
- The front panel is detachable and exchangeable even after installation.
- Two choices of panel color black or white.



[Dimensional drawing]



[HD16:9] Please specify the model code for "x1x" by following the model building on page 26.

Diagonal size(inch)	Model	Image size WxH(mm)	Length A(mm)	Height T(mm)	UBB U(mm)	Side mask (mm)	Depth B(mm)	Height when in stored C(mm)
80	SEP-080HM-x1x	1771x996	2118	2223	1004	50	134	145
90	SEP-090HM-x1x	1992x1121	2339		879	50		
100	SEP-100HM-x1x	2214x1245	2561	2217	755	50	135	139
110	SEP-110HM-x1x	2435x1370	2782		630	50		
120	SEP-120HM-x1x	2657x1494	3004	506	50			
130	SEP-130HM-x1x	2878x1619	3225	381	50			
140	SEP-140HM-x1x	3099x1743	3446	257	50			
150	SEP-150HM-x1x	3321x1868	3668	132	50			

※The numbers of (T),(B) and (C) above indicate when sliding bracket is used and the numbers below indicate when sliding bracket is used. (T),(B) and (C) of WF302 indicate when side bracket is used.

[Material lineup]

Diagonal size(inch)	Model	Applicable screen materials		
80	SEP-080HM-x1x	WG103	WS102	
90	SEP-090HM-x1x	WG103	WS102	
100	SEP-100HM-x1x	WG103	WS102	
110	SEP-110HM-x1x	WG103	WS102	
120	SEP-120HM-x1x	WG103	WS102	
130	SEP-130HM-x1x	WG103	WS103	
140	SEP-140HM-x1x	WG103	WS103	
150	SEP-150HM-x1x	WG103	WG207	WS103
170	SEP-170HM-x1x	WG103	WG207	
200	SEP-200HM-x1x	WG103	WG207	

(NTSC (4:3), WXGA (16:10), Cinema Scope(2.35:1)are available on your request.)

Tab tension projection screen



SEG

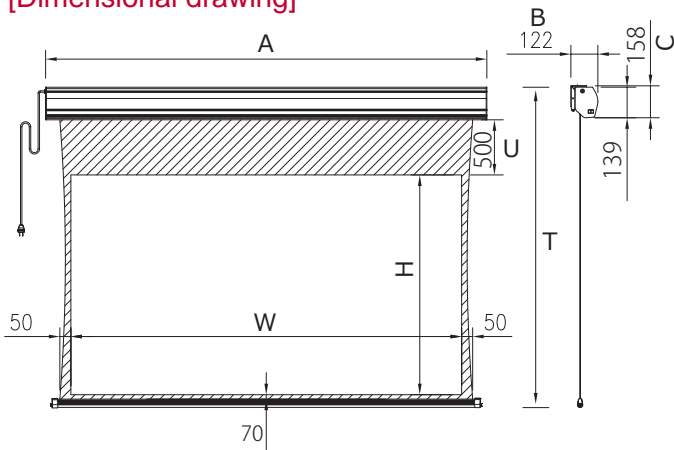
The tab tension electric screen with excellent cost performance is active in the business scene.

Providing “White mat” as a diffusive type.
Tab tension mechanism boasts high flatness.

- Tab tension mechanism provides high flatness.
- Available for 80” ~ 200” .
- Providing “White Mat” of diffusive screen material.
- It also suits for sound screen.



[Dimensional drawing]



[HD 16:9] Please specify the model code for “x1x” by following the model building on page 26.

Diagonal size(inch)	Model	Image size WxH(mm)	Length A(mm)	Height T(mm)	UBB U(mm)	Side mask (mm)	Depth B(mm)	Height when in stored C(mm)
80	SEG-080HM-W1x	1771x996	2000	1416				
90	SEG-090HM-W1x	1992x1121	2221	1541				
100	SEG-100HM-W1x	2214x1245	2443	1665				
110	SEG-110HM-W1x	2435x1370	2664	1790				
120	SEG-120HM-W1x	2656x1494	2885	1914	500	50	122	158
130	SEG-130HM-W1x	2878x1619	3107	2039				
140	SEG-140HM-W1x	3099x1743	3328	2163				
150	SEG-150HM-W1x	3321x1868	3550	2288				
170	SEG-170HM-W1x	3764x2117	3993	2634				
200	SEG-200HM-W1x	4428x2491	4657	3008				

[Material lineup]

Diagonal size(inch)	Model	Applicable screen materials
80	SEG-080HM-W1x	WV901 WS901 WS902
90	SEG-090HM-W1x	WV901 WS901 WS902
100	SEG-100HM-W1x	WV901 WS901 WS902
110	SEG-110HM-W1x	WV901 WS901 WS902
120	SEG-120HM-W1x	WV901 WS901 WS902
130	SEG-130HM-W1x	WV901 WS901 WS902
140	SEG-140HM-W1x	WV901 WS901 WS902
150	SEG-150HM-W1x	WV901 WS901 WS902
170	SEG-170HM-W1x	WV901 WS901 WS902
200	SEG-200HM-W1x	WV901 WS901 WS902

Fixed frame projection screen

SPX

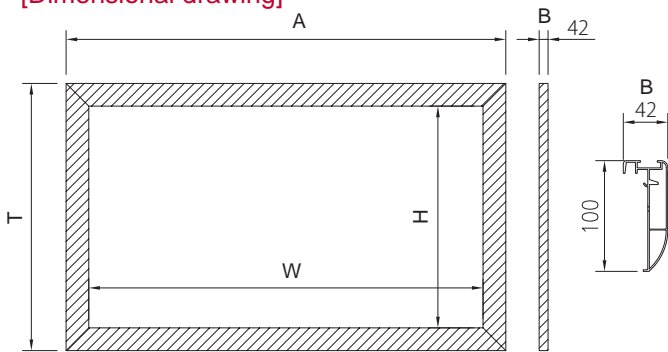
SOUNDMAT

Aspect ratio 16:9, Corresponds to business scenes requiring high definition images.

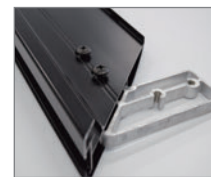
- High flatness and easy installation is available by adopting a spring fixed system.
- The spring flexibly responds to changes in the screen material environment due to temperature and humidity.
- Premium flocky is used on the frame surface.
- Easy to carry and assemble on site.
- High flatness screen is ideal for ultra short throw projectors.



[Dimensional drawing]



Flocky processed frame surface



The frame is assembled using only four simple screws.



Hook for hanging spring



Flexible springs are easily installed

[HD 16:9]

Diagonal size(inch)	Model	Image size WxH(mm)	Length A(mm)	Height T(mm)	Depth B(mm)
80	SPX-080H-A	1771x996	1975	1211	42
90	SPX-090H-A	1992x1121	2196	1336	42
100	SPX-100H-A	2214x1245	2418	1460	42
110	SPX-110H-A	2435x1370	2639	1585	42
120	SPX-120H-A	2656x1494	2860	1709	42
130	SPX-130H-A	2878x1619	3082	1834	42
140	SPX-140H-A	3099x1743	3303	1958	42
150	SPX-150H-A	3321x1868	3525	2083	42

[Material lineup]

Diagonal size(inch)	Model	Applicable screen materials
80	SPX-080H-A	WG107 WS102
90	SPX-090H-A	WG107 WS102
100	SPX-100H-A	WG107 WS102
110	SPX-110H-A	WG107 WS102
120	SPX-120H-A	WG107 WS102
130	SPX-130H-A	WG107 WS103
140	SPX-140H-A	WG107 WS103
150	SPX-150H-A	WG107 WS103

Fixed frame projection screen

STF

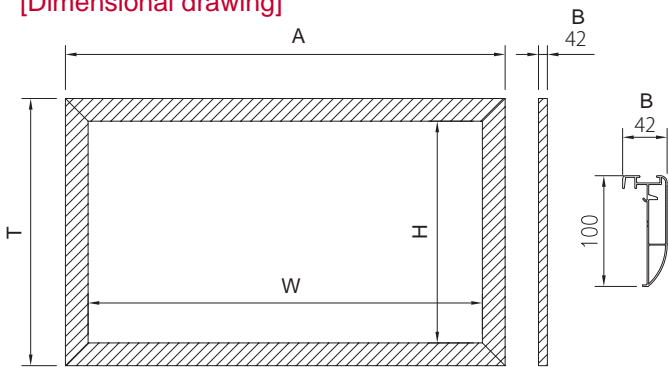
Fixed frame projection screen STF comes with high flatness.

The screen is available in three lineups as diffusive type and sound screen.

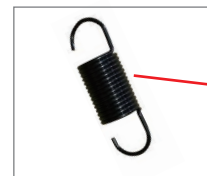
- High flatness and easy installation is available by adopting a spring fixed type.
- The spring flexibly responds to changes in the screen material environment due to temperature and humidity.
- Premium flocky is used on the frame surface.
- Easy to carry and assemble on site.
- High flatness screen is ideal for ultra short throw projectors.
- The screen is available in three lineups as diffusive type and sound screen.



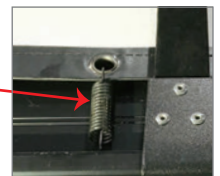
[Dimensional drawing]



Flocky processed frame surface



Flexible springs are easily installed



Hook for hanging spring

[HD 16:9]

Diagonal size(inch)	Model	Image size WxH(mm)	Length A(mm)	Height T(mm)	Depth B(mm)
80	STF-080H-A	1771×996	1975	1211	42
90	STF-090H-A	1992×1121	2196	1336	42
100	STF-100H-A	2214×1245	2418	1460	42
110	STF-110H-A	2435×1370	2639	1585	42
120	STF-120H-A	2656×1494	2860	1709	42
130	STF-130H-A	2878×1619	3082	1834	42
140	STF-140H-A	3099×1743	3303	1958	42
150	STF-150H-A	3321×1868	3525	2083	42
170	STF-170H-A	3764×2117	3968	2332	42
200	STF-200H-A	4428×2491	4632	2706	42

[Material lineup]

Diagonal size(inch)	Model	Applicable screen materials
80	STF-080H-A	WV901 WS901 WS902
90	STF-090H-A	WV901 WS901 WS902
100	STF-100H-A	WV901 WS901 WS902
110	STF-110H-A	WV901 WS901 WS902
120	STF-120H-A	WV901 WS901 WS902
130	STF-130H-A	WV901 WS901 WS902
140	STF-140H-A	WV901 WS901 WS902
150	STF-150H-A	WV901 WS901 WS902
170	STF-170H-A	WV901 WS901 WS902
200	STF-200H-A	WV901 WS901 WS902

(NTSC (4:3), WXGA (16:10), Cinema Scope(2.35:1) are available on your request.)



Large projection screen

SEL

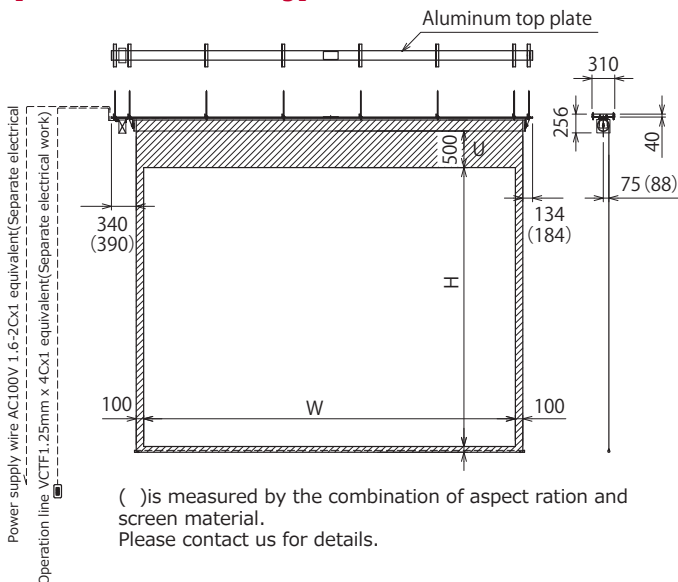
Using a large size roller which requires no special adjustment mechanism, and offering high flatness.

The motor fits inside the pipe, large screen with built-in motor.

- Motor with upper limit function is installed in the roller.
- Uses large roller to ensure flatness.
- Push button type limit switch is adopted.
- Aluminum top plate is adopted in order to cope with setting on slabs and hanging rack.



[Dimensional drawing]



■ Aluminum top panel is equipped as standard

[WXGA 16:10]

Diagonal size(inch)	Model	Image size WxH(mm)	UBB U(mm)
226	SEL-220W	4871×3045	500
257	SEL-250W	5535×3460	500
278	SEL-270W	5977×3736	500

[Material lineup]

Diagonal size(inch)	Model	Applicable screen materials
226	SEL-220W	WG207
257	SEL-250W	WG207
278	SEL-270W	WG207

(SEL is completely made to order. Please contact our sales to quote.)



Large projection screen

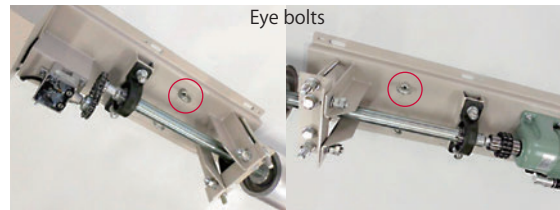
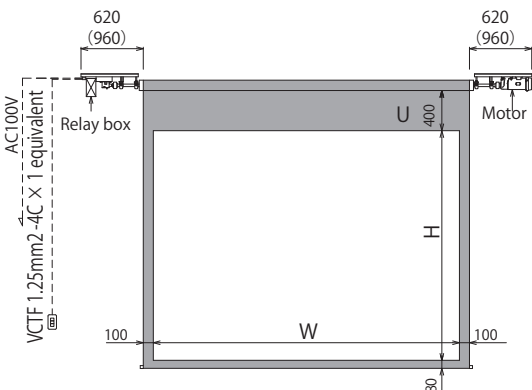
EB

Original retention mechanism for flatness. Offering easy installation and safety. Large projection screen

- The burden of loading and mounting is reduced by split of motor, relay and roller parts.
- Equipped with a safety function that stops operation immediately even if the switch cable is cut off during ascent and descent.
- Applicable to upward motor type also.
- When mounting on a hanging rack.etc, it is also possible to respond to special custom made rack mount brackets.



[Dimensional drawing]



Eye bolts are standard equipment on the motor base and relay base. Pulleys can be used when hanging. A slot is adopted for temporal tacking of the base. Position adjustment is easy.

[HD 16:9]

Diagonal size(inch)	Model	Image size WxH(mm)	UBB U(mm)
200	EB-200H	4428×2491	400
250	EB-250H	5535×3113	400
300	EB-300H	6642×3736	400

[Material lineup]

Diagonal size(inch)	Model	Applicable screen materials
200	EB-200H	WG207
250	EB-250H	WG207
300	EB-300H	WG207

Adjustment of motor position
 It's adjustable the position of motor upward or downward in consideration of appearance and installation space.

■ Downward setting(Standard)

■ Upward setting

Relay box Motor
 The difference in finished dimension
 The upward type requires consideration for inspection.

(EB is completely made to order.Please contact our sales to quote.)

Accessories

IR Remote Control S-R1



IR remote control and receiver for TP, EP, SEP series

Wall Switch S-R2



Wall mounted switch for TP, EP, SEP series
Available to use both IR remote and wall switch

Modular Plug and Circuit Box



Modular plug and circuit box for TP, EP, SEP series.
When you order the modular parts, please specified the voltage and plug type.

Options

Wood Pattern Panel

P selection front panel is able to process to wood pattern color. Customize for making more luxurious and relax time in life.



Dark brown



Light brown

Power Cord Management

We can provide the service of indirect mounting for the power cord. It is effective when the cable is likely to get in the way.

* Limited to application at the time of order only.



Rear Side
Cord Management



Standard
Cord Management

Winning award

In the consumer business, the OS screen brand has won numerous awards as the leading home theater screen manufacturer in Japan. We have a high reputation from the market.



HiVi BEST BUY

Audio visual award which is conducted by HiVi with more than 30 years of history.

Awarded by HiVi, the highest audio visual (AV) magazine with over 30 years of history published by Stereo Sound Co., Ltd.

"Best Buy" products are recommended and given an awards to readers by AV commentator.



VGP

Japanese largest audio visual award.

It is Japanese largest home entertainment award, which is organized by Ongen Publishing Co.,Ltd. centered on video and sound.

"Absolute Buy" products are selected by professional's strict screening by AV commentators who are familiar with the appeal of audiovisual equipment in Japan and leading retailers nationwide.



HTGP

Specialty award for home theater.

This is an award by Ongen Publishing Co.,Ltd.

This award specializes in home theaters that are selected only based on the poll results of professionals who work at home theater shops throughout Japan.



OS Group Web Site

OS group started as a cinema screen manufacturer in 1953.

We manufacture and sell products that make use of screen technology, including video screens used in education and corporate training, as well as digital signage (electronic signage) for advertising and dissemination of store information.

Growing as an AV system company and leading the industry in Japan currently.

History of the Group

The history of OS group started in 1953 in Sakai, Osaka, Japan, and began with the manufacture, sale and construction of cinema screens.

1953

Established Okumura Shokai, the predecessor of OS

1960s

- 1967 Changed company name to OS Screen Co., Ltd.
- 1968 OS SCREEN registered the trademark
- 1969 Established a factory in Osaka

1970s

- 1971 Opened Tokyo office
- 1972 Launched OHP screen
- 1976 Developed TV Mounts
- 1977 New Osaka office building completed as the head office
- 1979 Established OS industry company limited

1980s

- 1981 Developed Cabinet
- 1986 Launched TV hangers
- 1988 Released persistently popular manual screen AM (Aspect ratio 1:1)
- 1988 Company name changed to OS

1990s

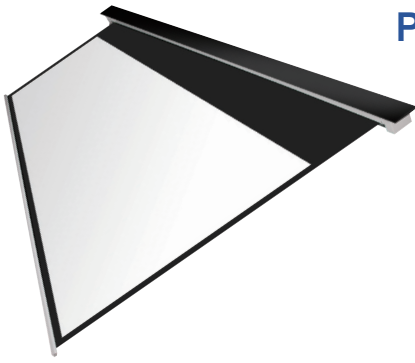
- 1991 Masayuki Okumura inaugurated as the president of the company
- 1991 Developed "Pearl Screen"
- 1991 Developed "Silver Screen"
- 1993 Completed new office of Tokyo Marketing HQ

2000s

- 2000 Established "Home theater corporation company limited" (Currently OS+e)
- 2000 Developed "Pure mat" / Desalinated PVC screen
- 2002 Dongguan OS Audio Equipment Co.,Ltd.
- 2002 OSI Co., Ltd. Established on March 8
- 2004 Established Korea OSI Co., Ltd.
- 2006 Engaged partnership with AV dealer SOVICO AV Corporation in Korea
- 2007 Established OSI Europe in the Netherland
- 2007 Established OS Okinawa Blackboard (Currently OSBEE Co.,Ltd.)
- 2008 OSI moved to new location on 21st July 2008
- 2009 Engaged partnership with WS-Spalluto GmbH for European market
- 2009 Developed "Display Hanger"

2010s

- 2010 Launched "Mobile Solar"
- 2011 Developed "Flat panel P selection"
- 2012 Launched 4K compatible screen Pure mat III Cinema "WF302"
- 2015 OSC Corporation Co.,Ltd.
- 2017 Launched 4K HDR compatible screen "HF102"
- 2018 Launched 4K compatible fire retardant screen WF Professional WF801
- 2018 Launched OS branded projector "LUXOS"
- 2021 Launched 4K ultra beads screen "AKIREI"



PROJECTION SCREEN CATALOG



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 infrared remote control, the receptors shall not be placed closed to other florescent lamp or device to avoid any false signal.

OSI CO., LTD.



20th Floor, Wah Hing Commercial Building, 283 Lockhart Road,
Wanchai, Hong Kong

<https://hk.os-worldwide.com/> info-hk@os-worldwide.com

This catalog is current as of February 2023.

Please note that the product colors appearing in this catalog may vary from the actual item due to the characteristics of the printing process.

Product specifications are subject to change without notes.

Sales agent