

# Grandview

## 120 inches Black Grid Ambient Light Screen

Optical physics  
anti-light

4K ultra clear  
image quality

120 inches  
Huge picture



**Physical Anti-Light**

Ambient light resist during the day

**Support 4K images**

Micron-scale light grid structure

**Ultra short throw**

Optimized for UST projector

**Large projection screen**

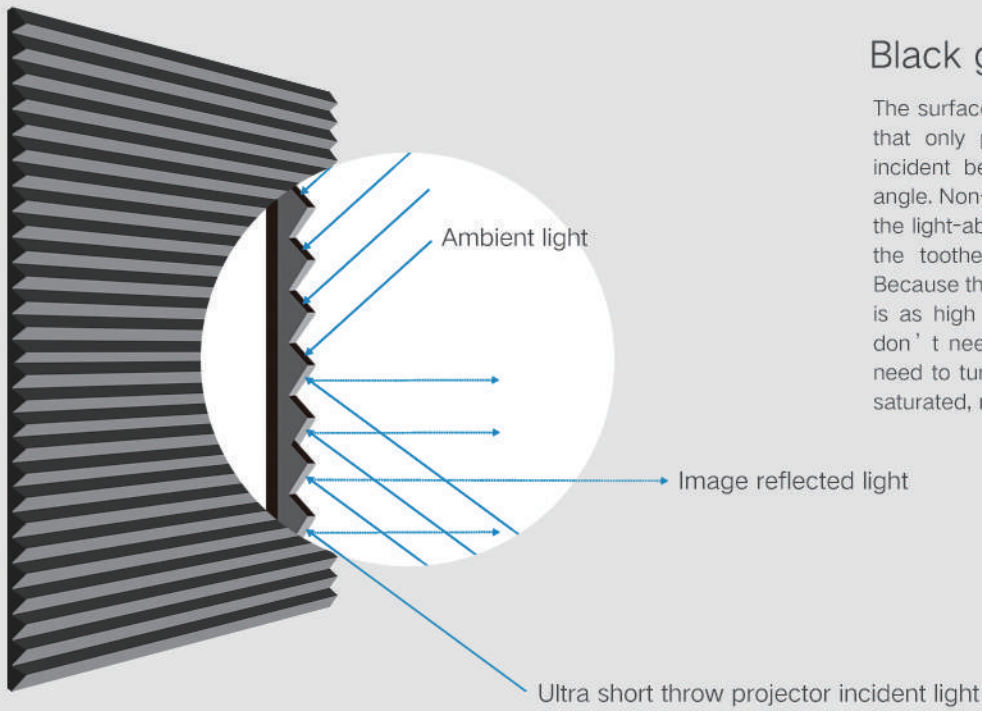
Support 120 inches projection maximum

**Diffuse reflection imaging**

Care for the eye

**140 wide viewing angle**

panoramic view



## Black grid anti-light principle

The surface has a finely engraved toothed grid that only provides targeted reflection of the incident beam of the projector at a specific angle. Non-imaged ambient light is absorbed by the light-absorbing coating on the other side of the toothed grid and no diffraction occurs. Because the color reproduction of the black grid is as high as 99%, Even during the day, you don't need to close the curtains, you don't need to turn off the lights, you can still have a saturated, richly-lit projection screen.

Ambient Light Rejection screen

Matt white screen

Fine picture quality

Bright picture

Support 4K projection

Clear contrast

## Black grid screen and Matt white screen comparison

The special micron-scale grid structure on the surface of the black grid screen blocks the upper interference light source, and the light source of the ultra-short-throw projector below is reflected in parallel, and the image quality is clearer and brighter. The ordinary Matt white screen is made of ordinary PVC material, which is rough in workmanship and only works better than white wall.



## Indoor glare light environment during the day

Ambient Light Rejection screen

Matt white screen



## Grandview ALR screen and other brands ALR screen comparison

Use Grandview black grid ALR screen can reduce the influence of ambient light and effectively improve brightness and contrast. The picture performance is clearer and brighter, other brands ALR screen have poor light resistance, and color saturation reduces the viewing effect.



Grandview ALR screen

Other brands ALR screen



## Diffuse reflection imaging, more confidence in watching

The black grid ALR screen only targets the incident beam of the projector at a specific angle. No matter in the day or glare light, it can display a saturated color and full-scale projection picture.

### Diffuse reflection imaging principle

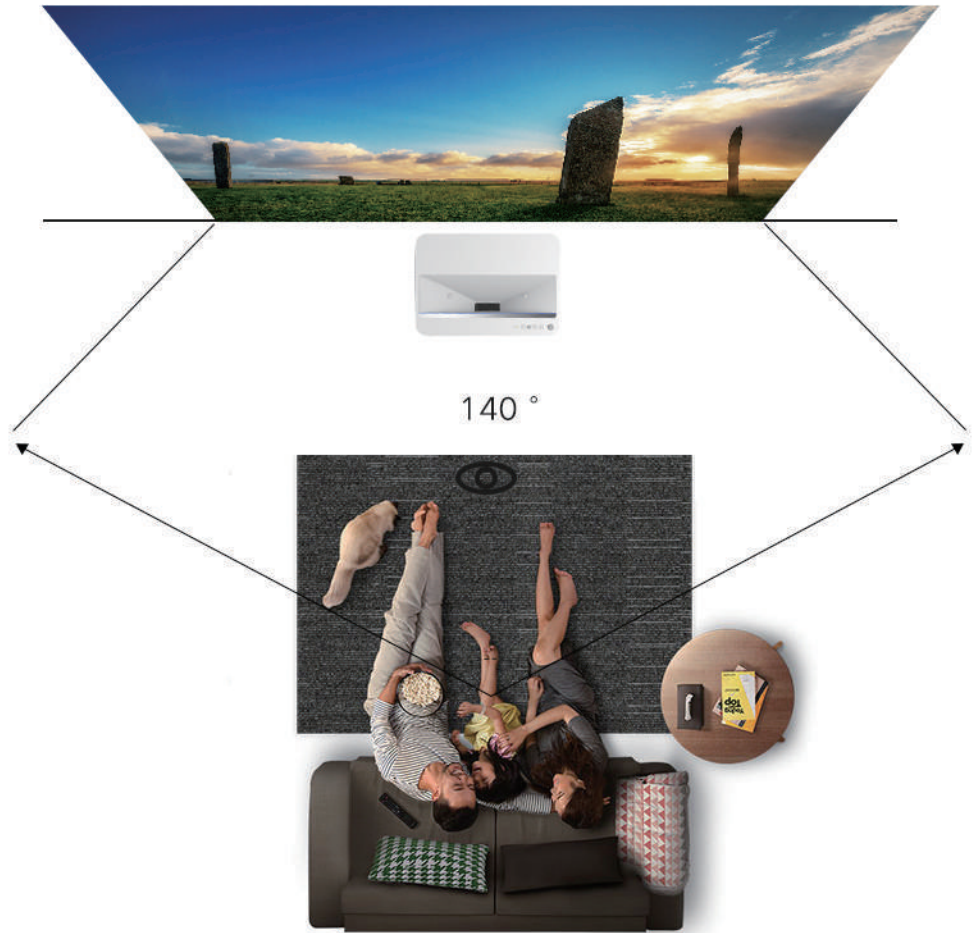
LED screen, Self-luminous direct into eyes



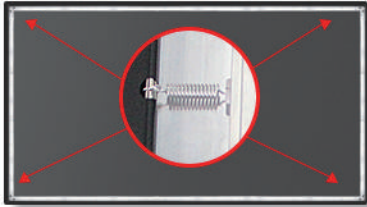
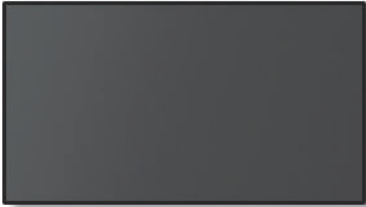
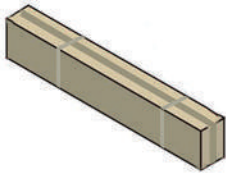
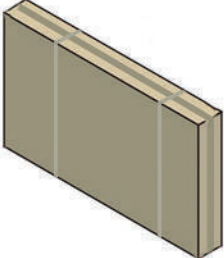
Diffuse reflection imaging

## 140° wide viewing angle

120-inch large screen is more than 140° of viewing angle, complete coverage of the home theatre viewing area, 12MM ultra-narrow bezel design, the screen is outstanding, with the use of laser ultra-short-throw projector, can achieve the giant screen laser TV effect.



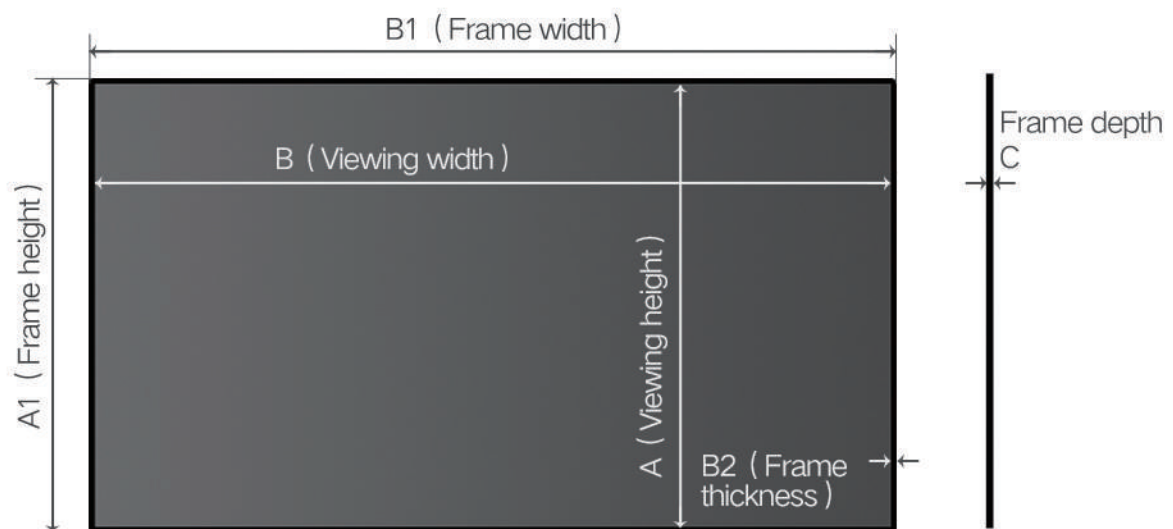
## The difference between soft fabric and hard screen

Fabric type	Soft fabric	Hard screen
Fabric structure	<p data-bbox="288 1368 587 1402">40pcs springs around the fabric</p>  <p data-bbox="210 1682 675 1823">1.The spring tension technology, the fabric is evenly stressed, preventing the fabric from wrinkling, the material is thin and delicate, can be curled and not deformed, and maintains a long-lasting flatness. 2.Small size ,easy to transport. 3. assembly is required.</p>	 <p data-bbox="767 1682 1452 1823">1.A certain thickness is required, and the physical structure of the material is liable to be deformed by the temperature and humidity to affect the image quality. 2.The packaging volume is too large to be folded, the transportation process is inconvenient, and the elevator is inconvenient to enter and exit. 3.no assembly is required.</p>
Packing & shipping	 <p data-bbox="320 2107 595 2134">Small size, easy transportation.</p>	 <p data-bbox="1098 2011 1345 2056">Large packaging size, inconvenient transportation.</p>



## ALR screen parameter

ALR screen parameter	Black grid(DY3)
Projection size	100 inches 120 inches 16 : 9
Color reproduction	99%
Viewing Angle	140 °
Gain	0.4
Projector type	Desktop ultra short throw
Viewing area	2215x1245mm / 2657x1494mm
Applicable	Family living room, Small office



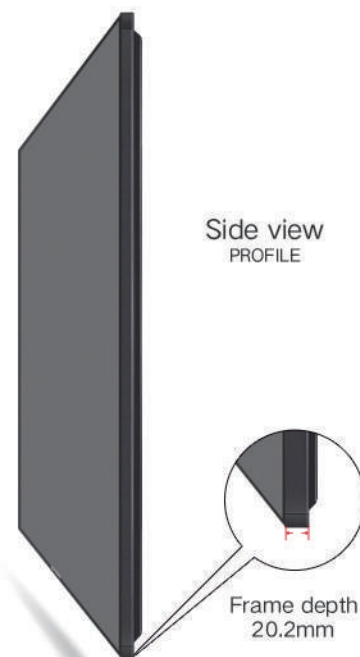
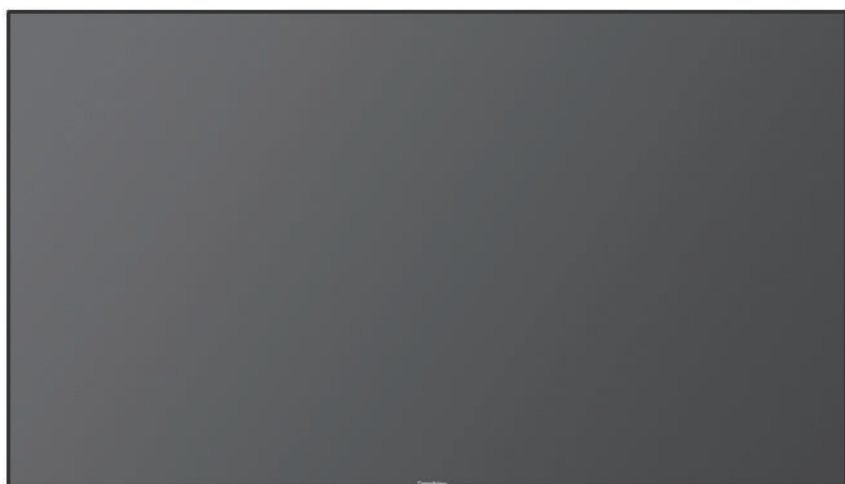
### Grandview black grid ALR size

Size	100 Inch	120 Inch
Aspect Ratio	16 : 9	16 : 9
Viewing height	A=1245mm	A=1494mm
Viewing width	B=2215mm	B=2657mm
Frame height	A1=1269mm	A1=1516mm
Frame width	B1=2239mm	B1=2679mm
Frame thickness	B2=12mm	B2=12mm
Frame depth	C=20.2mm	C=20.2mm

Actual environment



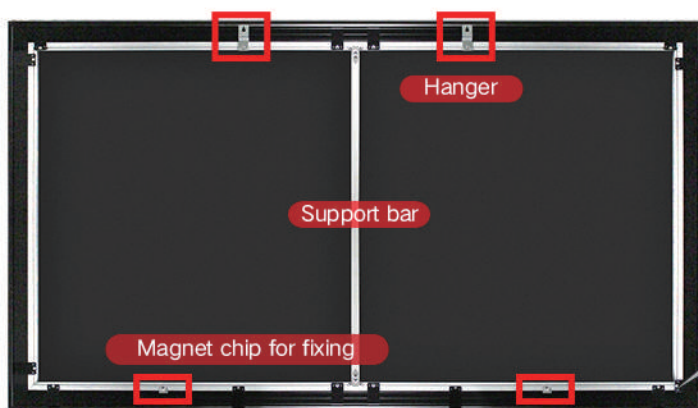
Actual show



Side view  
PROFILE

Frame depth  
20.2mm

Back view show



45°Stitching, easy to install

12mm 12mm

Edge fixed  
frame R3

120-inch outer packaging size  
parameter diagram  
For details, please refer to the user manual.

