Sonic AT8 ISF eFinity Series

Acoustically Transparent EDGE FREE® Fixed Frame Screen

User's Guide – E Type V1.0

Visit www.epvscreens.com for latest updated version.

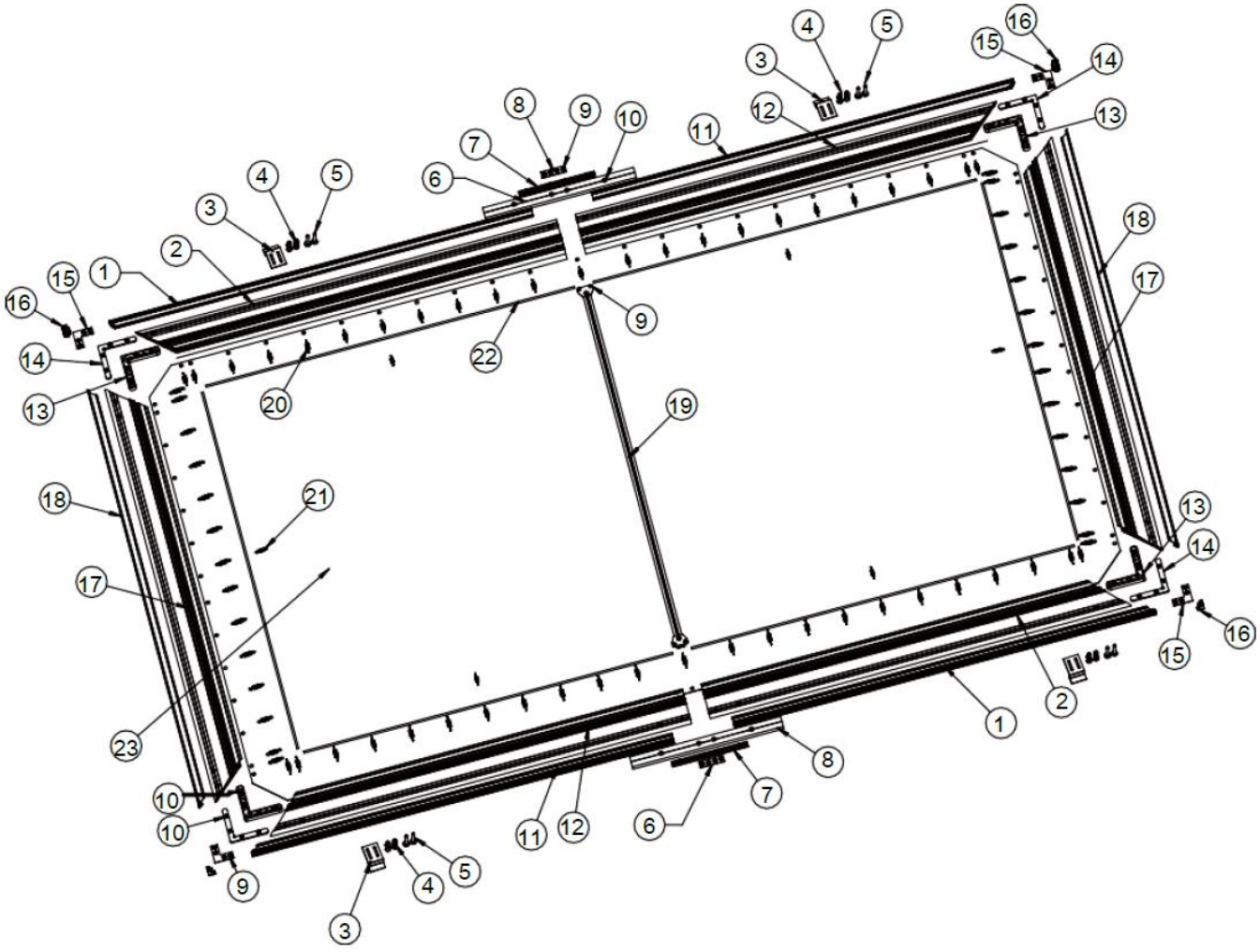
Maintenance and Care

In order for the ***Sonic AT8 ISF*** material to maintain its projection qualities and provide optimum performance please refer to the list below for proper maintenance and cleaning.

The following precautions should always be taken to avoid damaging the material which is not covered under the warranty.

- Use a dry microfiber cloth or a soft bristle brush to remove dust from the screen's surface.
- When cleaning the surface, use a damp microfiber cloth with warm water and never rub or apply pressure.
- Never attempt to use any chemicals such as acetone, benzene, alcohol, organic solvents or abrasive cleaners to clean the screen surface.
- To avoid damaging the screen, avoid touching it directly with your fingers, pens/pencils or any other sharp or abrasive objects.
- To preserve material integrity and ensure long-term flatness of the screen, please refrain from installing it in locations exposed to direct sunlight or using it as a substitute for a window curtain. Heat will cause the material to expand, causing waves and ripples to develop. Extended exposure to solar radiation may lead to material degradation, which is not covered under the terms of our standard warranty.

Exploded View of Aeon Frame



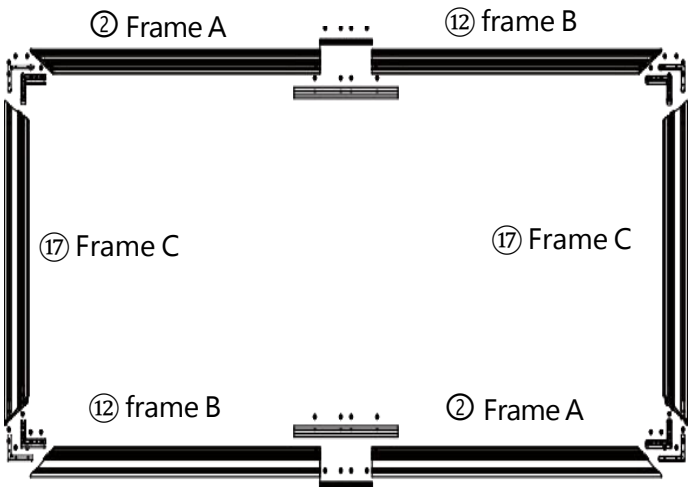
Make sure all parts are included before commencing frame assembly.

Hardware and Parts List

① Edge Trim A	⑦ Long Center Joints b	⑬ Elbow Joints a	⑲ Support bar
② Frame A	⑧ Short Center Joints	⑭ Elbow Joints b	⑳ Spring a
③ Wall Bracket	⑨ M4x5 Screws	⑮ Elbow Joints C	㉑ Spring b
④ Anchor	⑩ M5x6 Screws	⑯ Corner Cover	㉒ Fiberglass rod
⑤ Wood Screws	⑪ Edge Trim B	⑰ Frame C	㉓ Screen material
⑥ Long Center Joints a	⑫ Frame B	⑱ Edge Trim C	

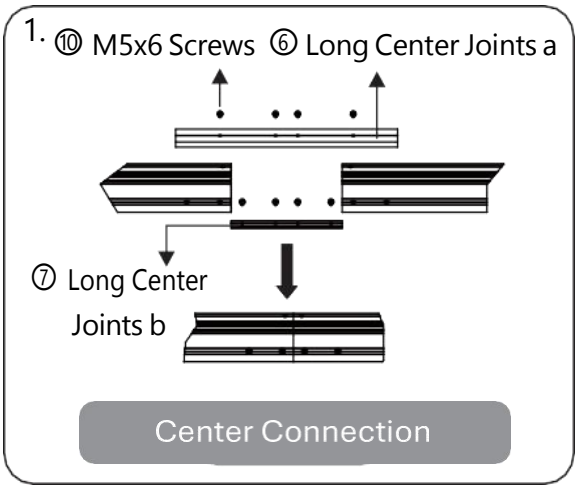
SCREEN INSTALLATION

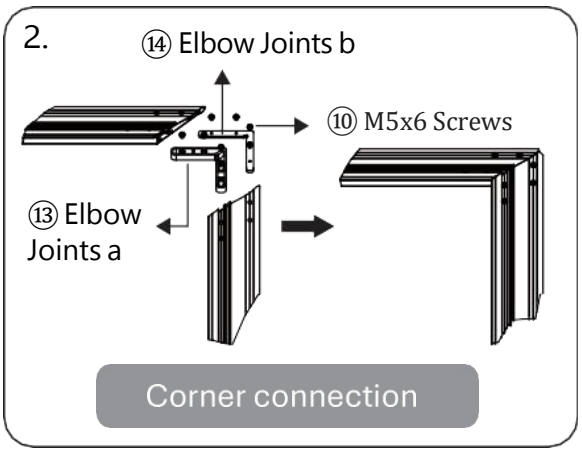
1. Frame Assembly



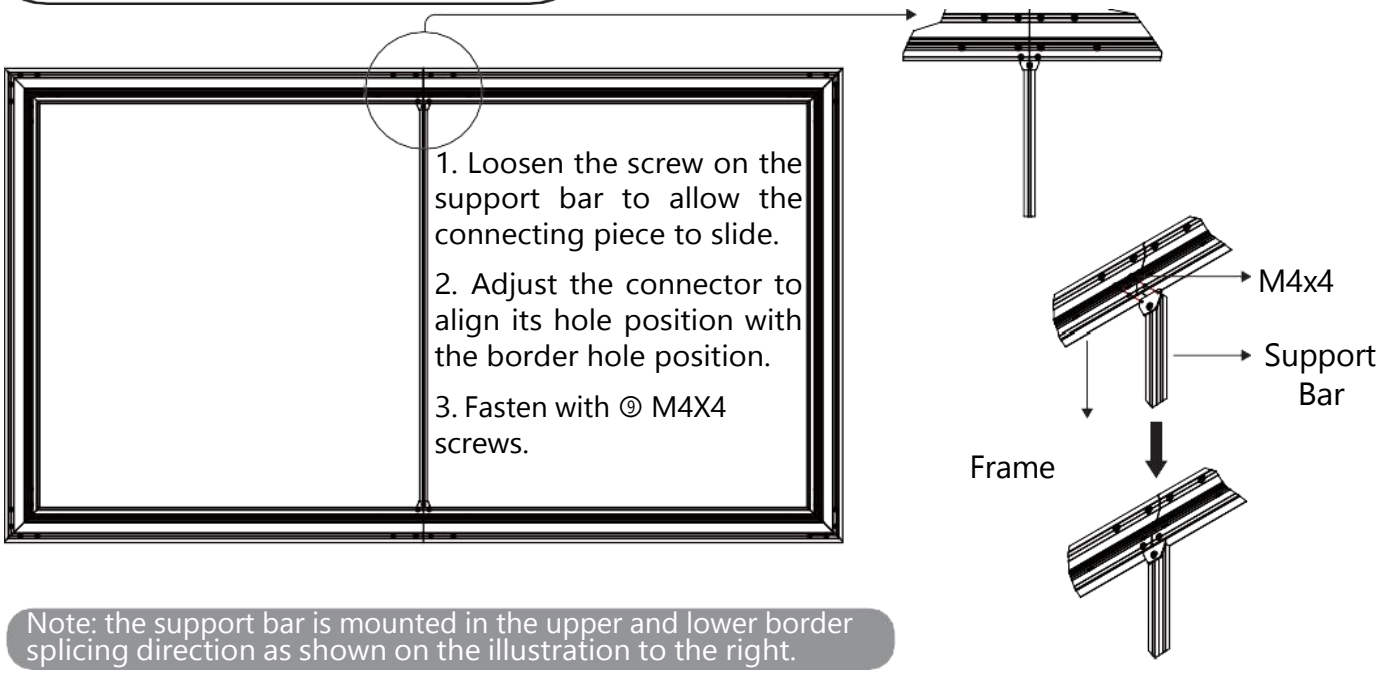
Step 1: Insert the long center joints (a) into each half horizontal frame (A/B) and secure with the screws. These will be the top/bottom frames.

Step 2: Insert the elbow joints into frame (C) and insert the other end of the elbow joints to the top/bottom frames and secure with the screws.





2. Center Support Bar Installation



Note: the support bar is mounted in the upper and lower border splicing direction as shown on the illustration to the right.

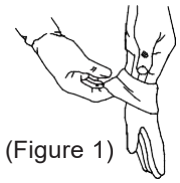
PROJECTION SCREENS

3. Screen Material Installation

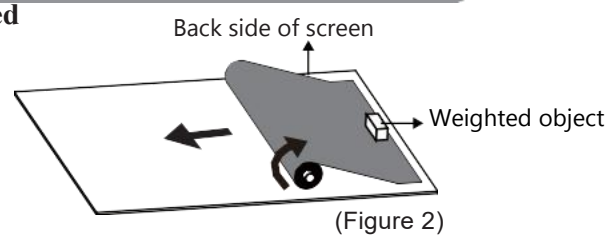
ATTENTION: Put the gloves on when handling the screen material to avoid touching it with your bare hands.

※ Unrolling the screen material Two people recommended

1. Put on the supplied pair of white gloves.
   This is to avoid leaving oily handprints on the screen surface which are not removable.



(Figure 1)

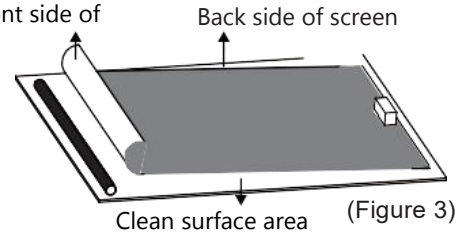


(Figure 2)

2. Remove the screen material from the tube and place a small suitable weighted object at the end of the material.

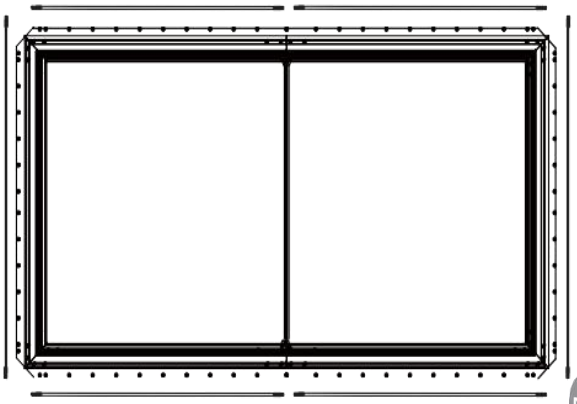
3. Lay the material face down, two people carefully lift the rolled end and slowly rotate the material clockwise.

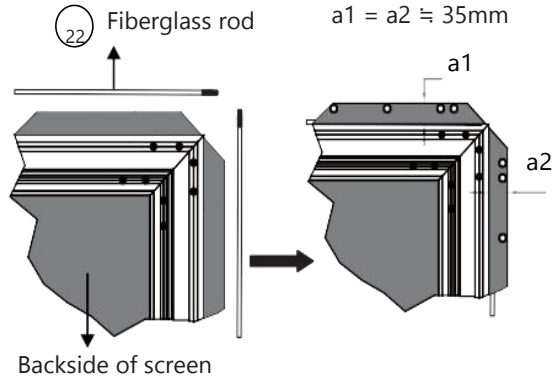
Note: Backside facing up (frontside facing



(Figure 3)

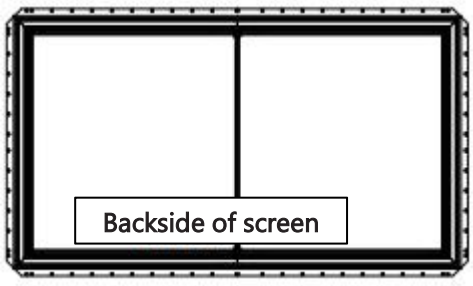
4. Insert the corresponding fiberglass rods on through the sleeves on the edges of the material.

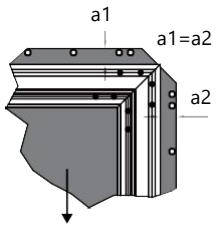




Note: Please install the six fibers rods into the frame

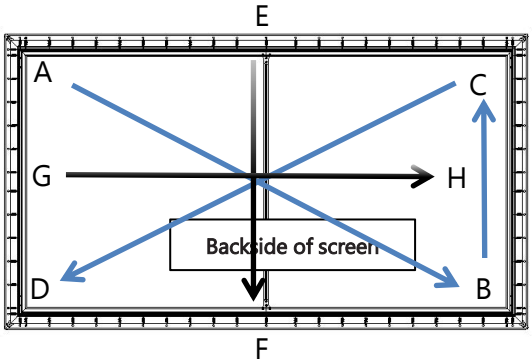
1. Carefully and gently place the assembled frame on top of the screen material.
DO NOT allow the angle edge of the frame to come in direct contact with the material to avoid puncturing it.

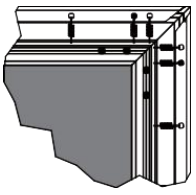




2. Adjust the distance between the edge of the frame and the material (a1 = a2) to 1.4"/35 mm

3. Begin by securing the four corners with the springs to the frame in A-B-C-D order as illustrated below, when "Person 1" is attaching the first 4 springs on corner "A" the other person should do exactly the same on corner "B" at the same time, and then the same on corners "C" and "D". Finally, attach 3 spring in each center point locations "E" and "F", both at the same time (2 people) and then the same on "G" and "H".

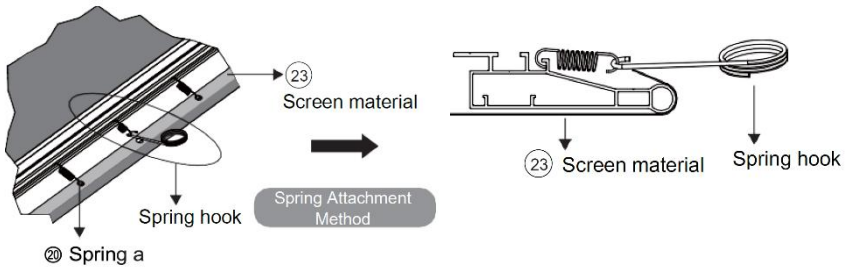




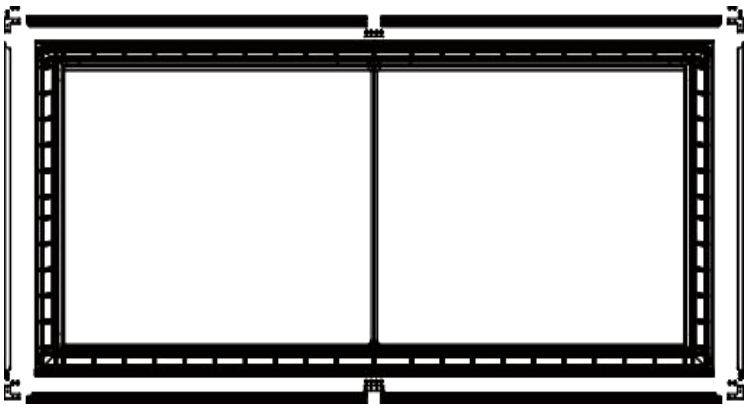
PROJECTION SCREENS

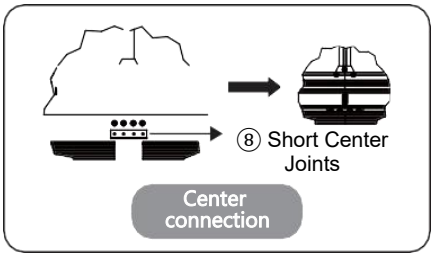
Spring Attachment Method

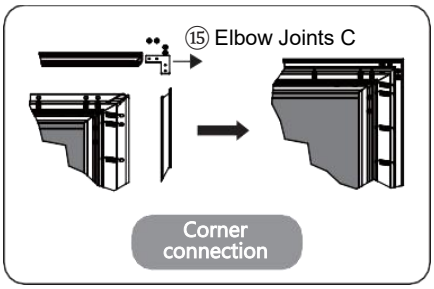
First, hook one end of the spring in the frame slot, then hold the screen around the frame to pull, and finally use the spring to pull the spring hook in the screen hole.



4. Bezel Trim Frame Assembly/Installation



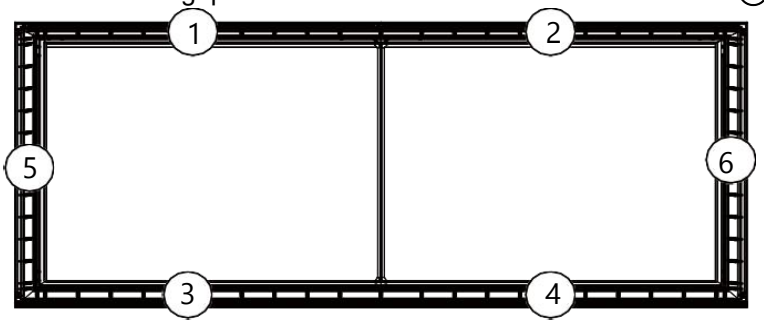


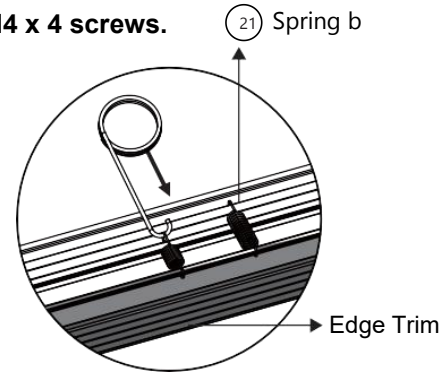


1. Connect **Edge Trims A&B to** form the top/bottom trims with the ⑧ **Short Center joints** and then insert them on the top/bottom frames.

2. Connect the **side edge trims C** with the top/bottom edge trim with ⑮ **Elbow Joints C**.

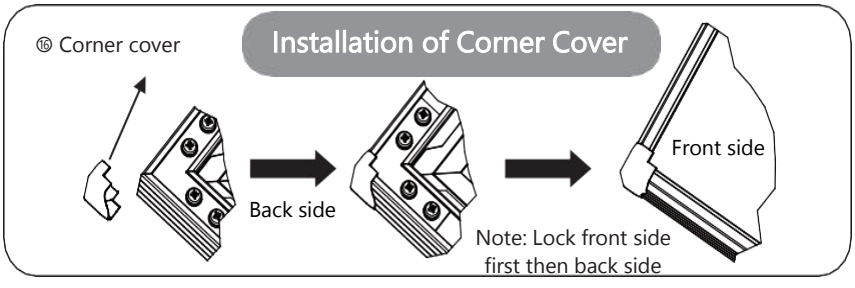
3. Adjust the trim so that the top and bottom trim pieces are touching and show no gaps in the corners. Then fasten them with the ⑨ **M4 x 4 screws.**



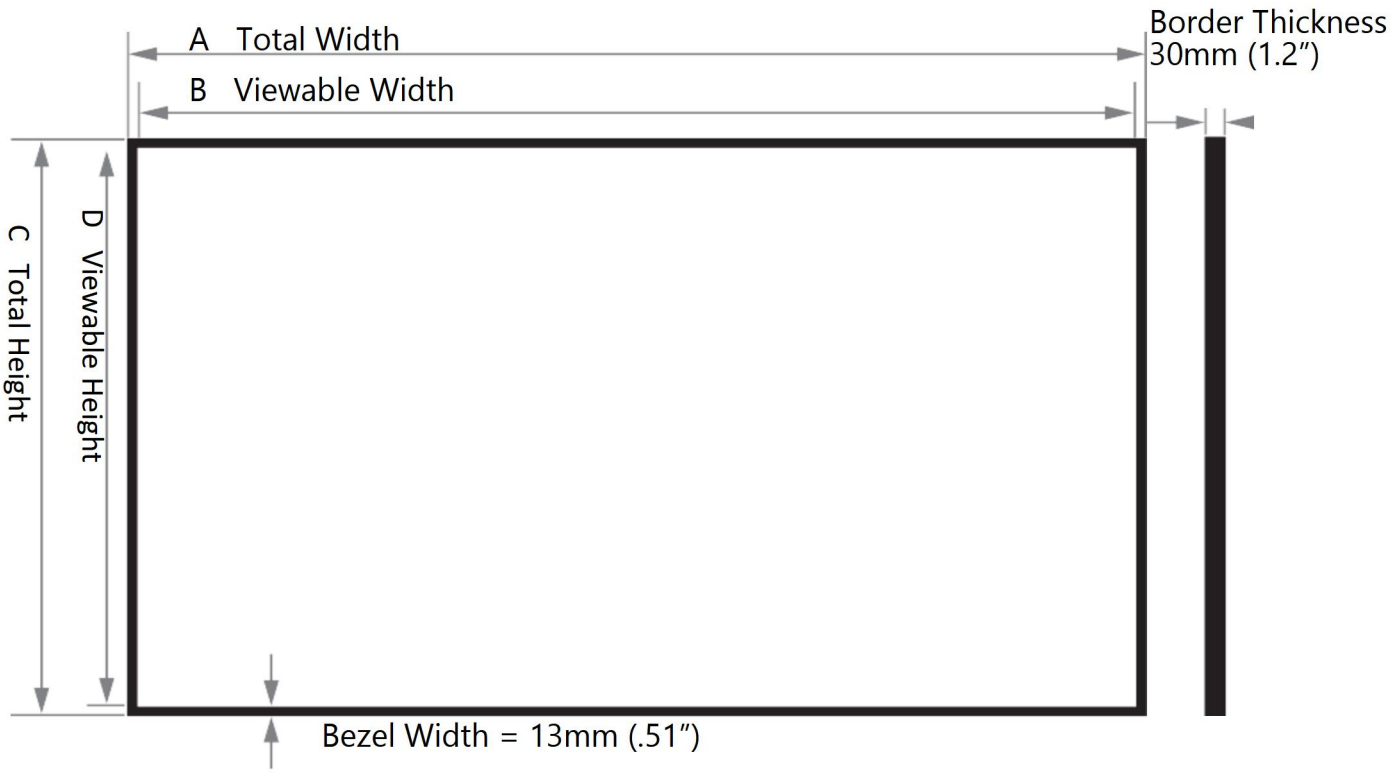


4. Attach a ㉑ **spring b** in the middle of each edge trim (1-6) to the frame as shown in the illustration.

5. Install the ⑯ **corner covers** on the four corners of the edge trim.



5. Product Dimensions



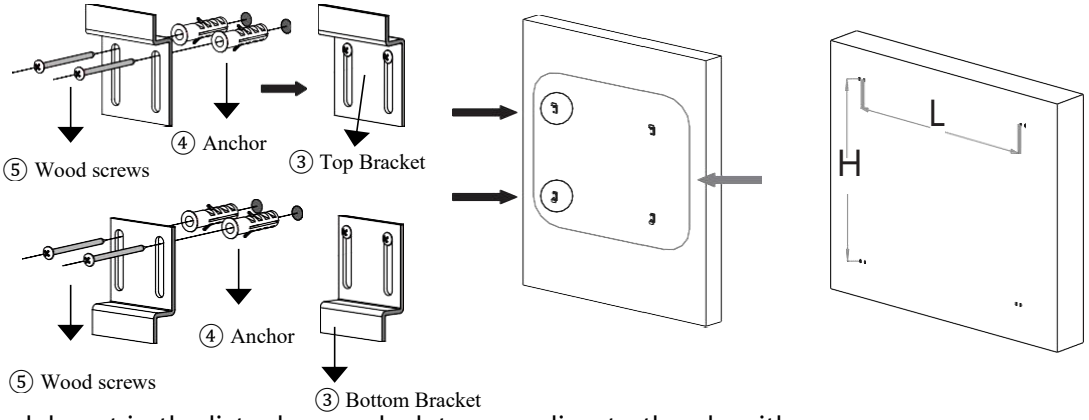
Note: The listed measurements are for general reference only.

Screen size	A	B	C	D
100"	88.0" / 2235mm	87.0" / 2209 mm	49.9" / 1266 mm	48.8" / 1240 mm
110"	96.7" / 2456 mm	95.7" / 2430 mm	54.8" / 1391 mm	53.7" / 1365 mm
120"	105.4" / 2678 mm	104.4" / 2652 mm	59.7" / 1515 mm	58.6" / 1489 mm
128"	112.4" / 2855 mm	111.4" / 2829 mm	63.6" / 1615 mm	62.6" / 1589 mm
135"	118.5" / 3010 mm	117.5" / 2984 mm	67.0" / 1702 mm	66.0" / 1676 mm
138"	121.1" / 3076 mm	120.1" / 3050 mm	68.5" / 1740 mm	67.5" / 1714 mm
150"	131.6" / 3342 mm	130.5" / 3316 mm	74.4" / 1889 mm	73.4" / 1863 mm
158"	138.5" / 3519 mm	137.5" / 3493 mm	78.3" / 1989 mm	77.3" / 1963 mm
165"	144.6" / 3674mm	143.6" / 3648 mm	81.7" /2076 mm	80.7" / 2050 mm
180"	157.7" / 4006 mm	156.7" / 3980 mm	89.1" / 2263 mm	88.1" / 2237 mm

*Tolerance may be ±1"

6.Wall installation

Drill a hole on the wall according to the distance on the chart below distance for your screen. Place the bracket on the holes and secure them using a Phillips screwdriver. If not installing into a structural wood stud, use a wall anchor, then screw in the M5x50 screws. Make sure the brackets are leveled.



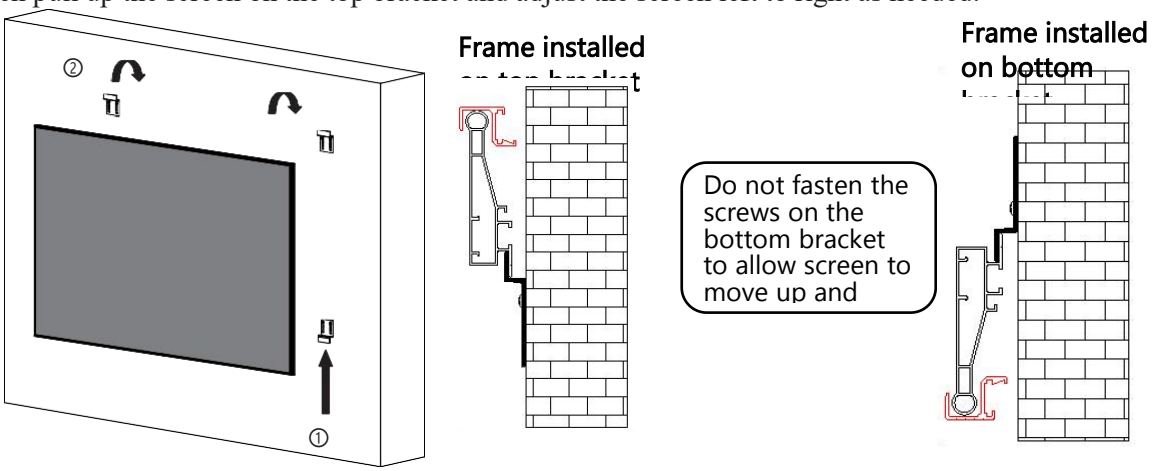
※ For models not in the list, please calculate according to the algorithm
H = frame height – 182mm, L = frame width – (1000mm ~ 600mm).

Screen size	L = Left/Right hole distance	H = Top/Bottom hole distance
100"	59.0" / 1500 mm	42.7" / 1084mm
110"	70.8" / 1800 mm	47.6" / 1209 mm
120"	78.7" / 2000 mm	52.5" / 1333mm
128"	78.7" / 2000 mm	56.4" / 1433mm
135"	78.7" / 2000 mm	59.8" / 1520 mm
138"	78.7" / 2000 mm	61.3" / 1558 mm
150"	98.4" / 2500 mm	67.2" / 1707mm
158"	98.4" / 2500 mm	71.1" / 1807mm
165"	110.2" / 2800mm	74.6" / 1894mm
180"	118.1" / 3000mm	81.9" / 2081mm

Hanging the screen:

1. Two people hold the screen and align it first with the bottom bracket. The bracket lip must be inserted in the frame's channel per example below.

2. Then pull up the screen on the top bracket and adjust the screen left to right as needed.



For an EPV Screens contact and technical support in your area, please visit
www.epvscreens.com

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