



Aeon Acoustic Pro UHD Series

*Acoustically Transparent Ultra-Hi Def EDGE
FREE® Fixed Frame Screen*

User's Guide – AR4 E Type V1.1

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Product Description: The **Aeon AcousticPro UHD Series** is a fixed frame projection screen that uses Elite's EDGE FREE® technology. The EDGE FREE® design resembles a giant size flat panel TV display. The **Aeon** includes Edge trim as an installation option to further enhance the frame appearance and absorb projector overshoot.

* An optional LED backlighting kit is available for added visual appearance.

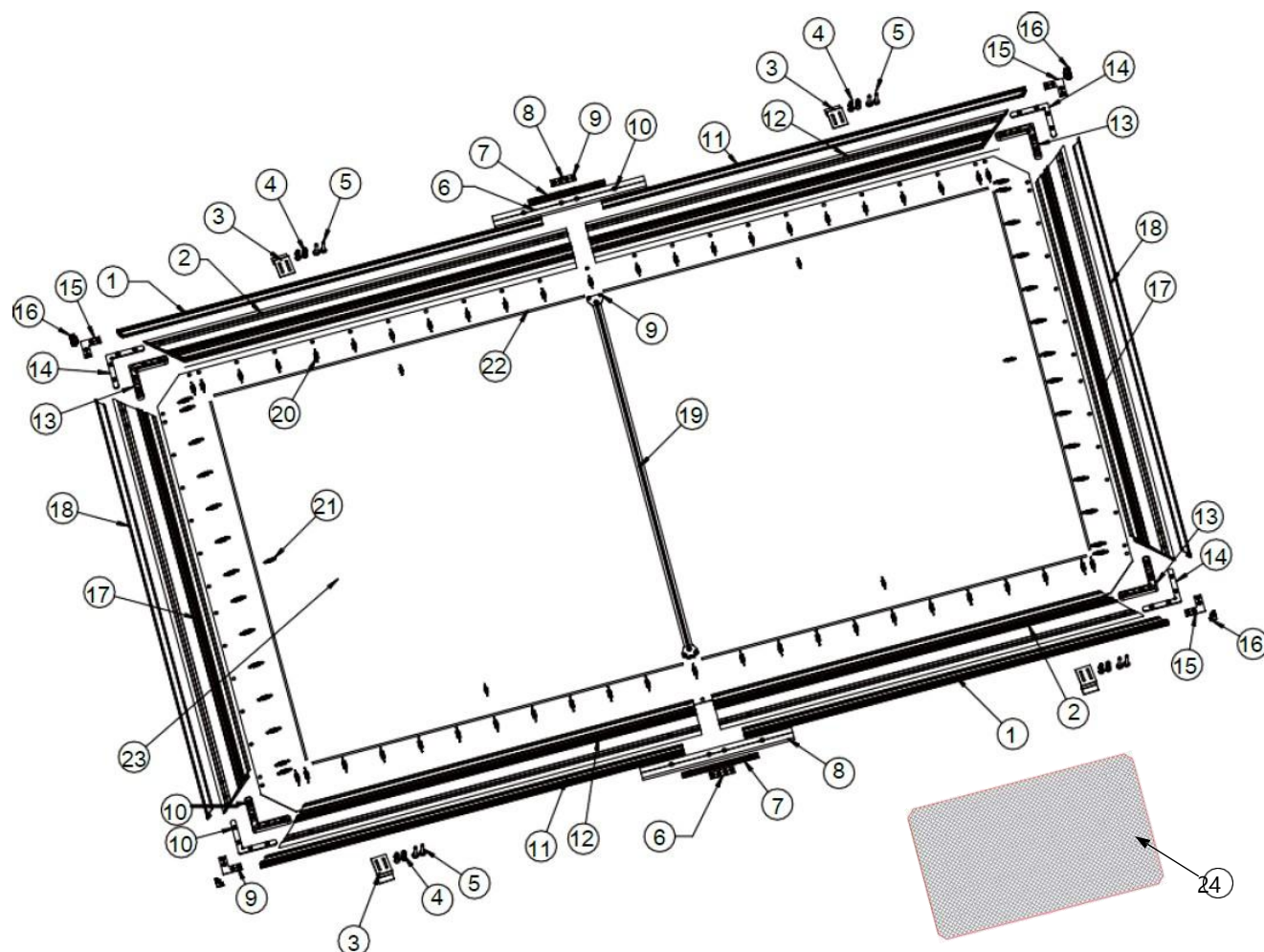
Maintenance and Care

In order for the **AcousticPro UHD** 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



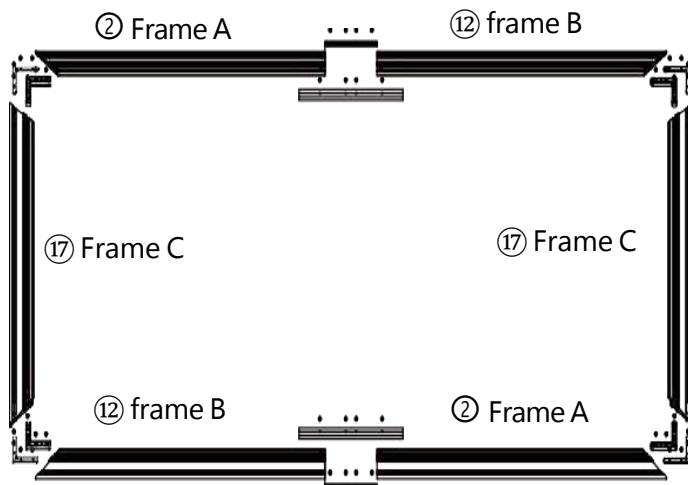
Make sure all parts are included before commencing frame assembly.

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	㉔ Black backing cloth

SCREEN INSTALLATION

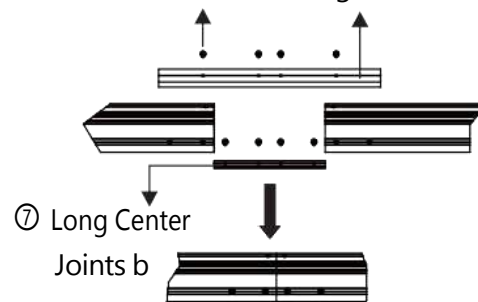
1. Frame Assembly



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.

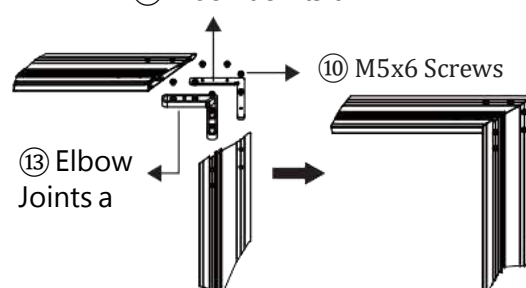
Step 2: Insert the elbow joints into frame (C) and insert the other end of the elbow joints to the top/bottom frames and secure with the screws.

1. ⑩ M5x6 Screws ⑥ Long Center Joints a



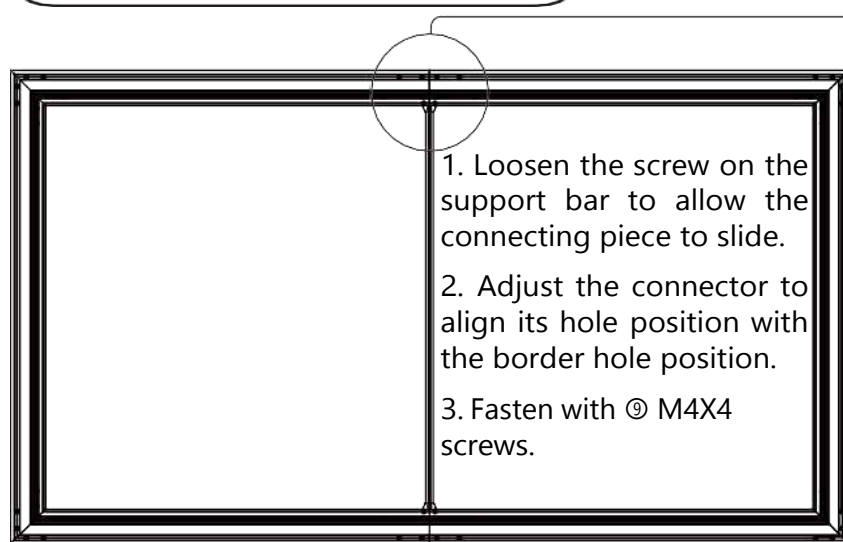
Center Connection

2. ⑭ Elbow Joints b

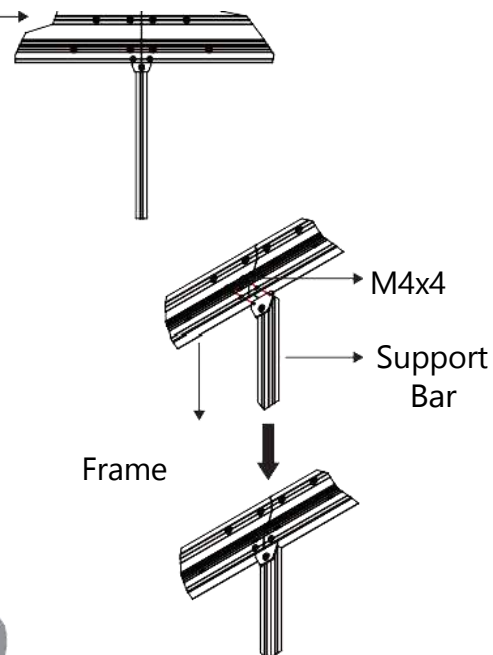


Corner connection

2. Center Support Bar Installation



1. Loosen the screw on the support bar to allow the connecting piece to slide.
2. Adjust the connector to align its hole position with the border hole position.
3. Fasten with ⑨ M4X4 screws.

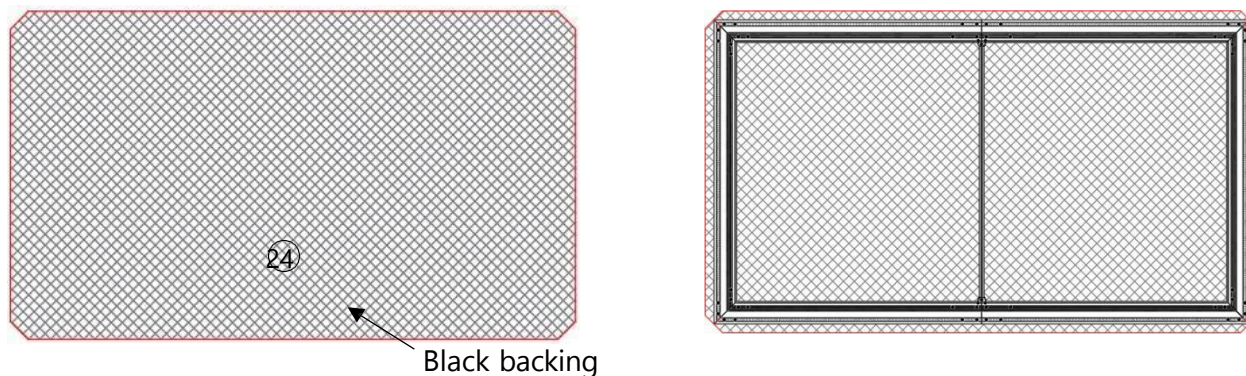


Note: the support bar is mounted in the upper and lower border splicing direction as shown on the illustration to the right.

3. Black Backing Cloth Installation

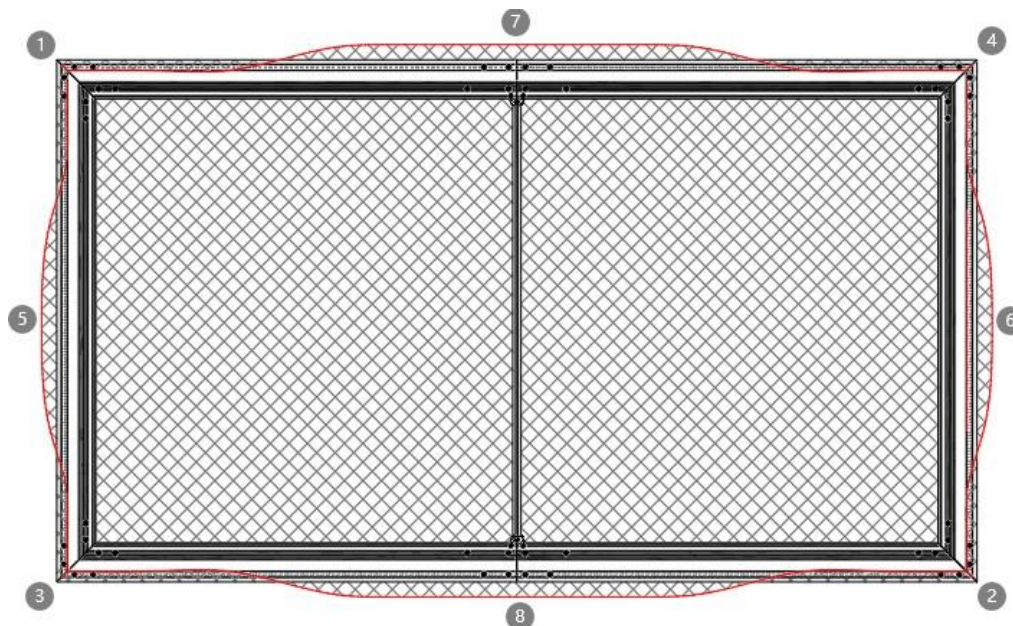
Black backing dimensions		
Screen size	Fabric height	Fabric width
100"	52.3" / 1330 mm	99.5" / 2300 mm
110"	56.6" / 1440 mm	98.8" / 2510 mm
120"	62.0" / 1575 mm	107.9" / 2735 mm
135"	69.4" / 1765 mm	120.8" / 3070 mm
138"	71.0" / 1804 mm	123.5" / 3138 mm
150"	77.1" / 1960 mm	134.2" / 3410 mm
165"	84.2" / 2140 mm	147.2" / 3740 mm
158"	80.9" / 2056 mm	141.2" / 3586 mm
180"	91.7" / 2330 mm	160.2" / 4070 mm

1. Lay the black backing cloth (Velcro face up) on a clean sheet. Then put the frame on the black backing cloth.



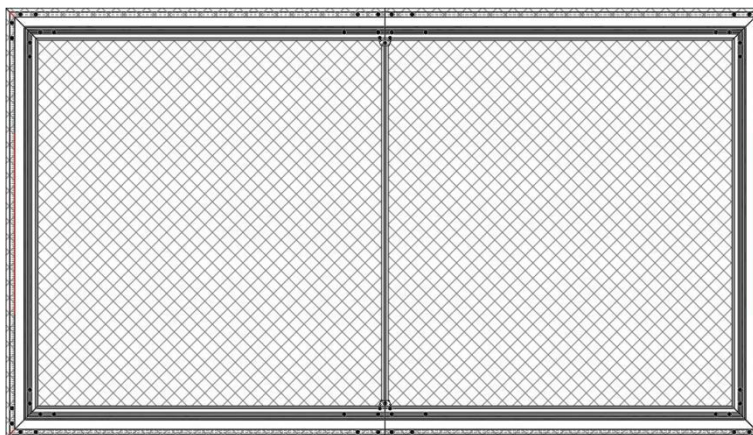
2. Attach the four corners of the black backing cloth to the Velcro on the frame in the following 1→2→3→4 sequence. Fold excessive black backing cloth to the back of the frame and velcro them together. Then, press the black backing into place with your hands assuring there are no wrinkles/folds.

ATTENTION: Assure the four edges of the black backing cloth do not go beyond the range of the Velcro.



3. Do the same way for middle areas of the frame. Attach the middle of the black backing cloth to the Velcro on the frame according to 5→6→7→8 in sequence. Then, press the black backing into place with your hands and finish the installation.

ATTENTION: Assure the four sides of the black backing cloth do not go beyond the range of Velcro.



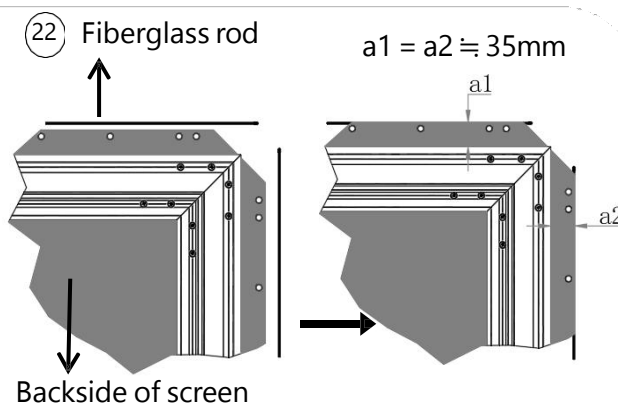
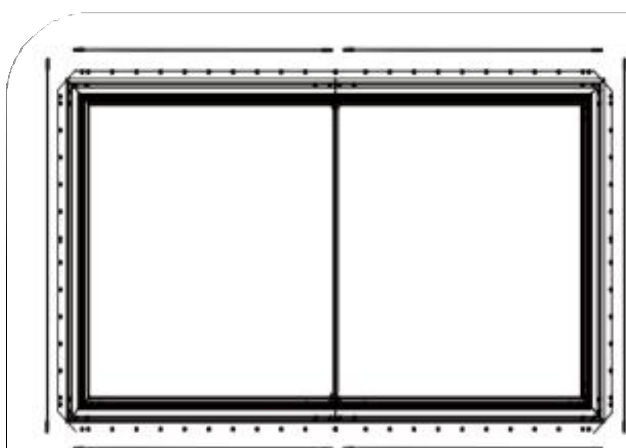
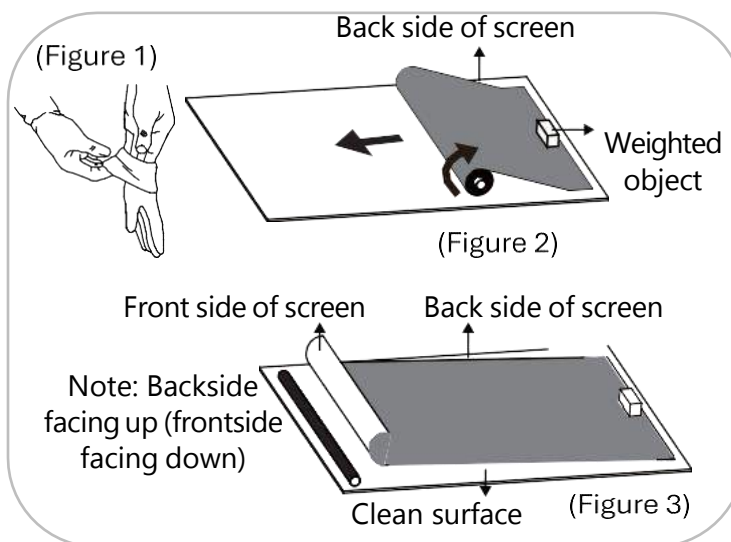
4. Screen Material

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



Fiberglass rods installation: Thread the six fiberglass rods through the four sides of the fabric first.

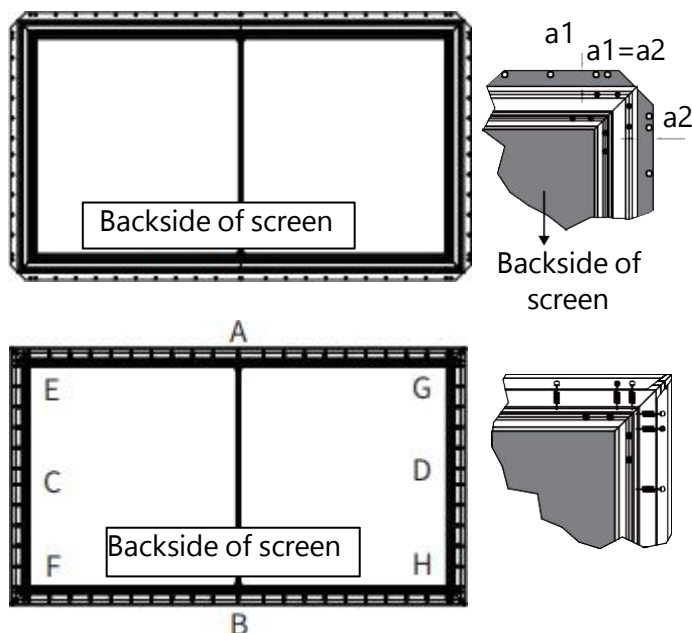
1. Carefully and gently place the assembled frame on top of the screen material. **DO NOT** allow the angle edge of the frame to come in direct contact with the material to avoid puncturing it.

2. Adjust the distance between the edge of the frame and the material ($a_1 = a_2$) to 1.4"/35 mm

3. Work in pairs symmetrically. Start installing the springs from the midpoints of the four sides of the screen material (A/B → C/D), with 2–3 springs at each midpoint.

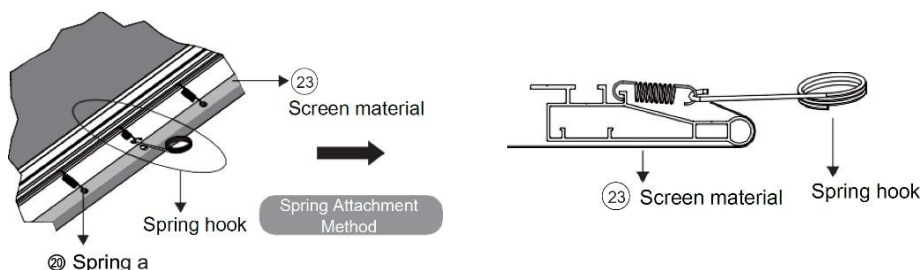
4. Then install springs at the four corners of the frame (E/F → G/H), with 4 springs at each corner.

5. Finally, starting from the midpoints of each side, work symmetrically outward toward the four corners to complete the installation.



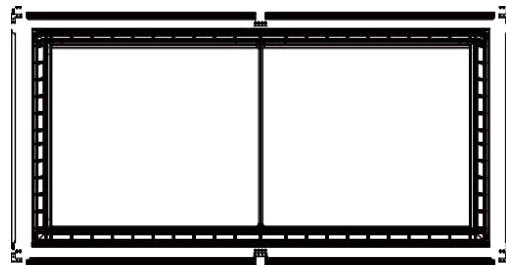
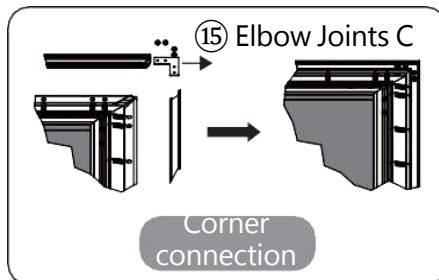
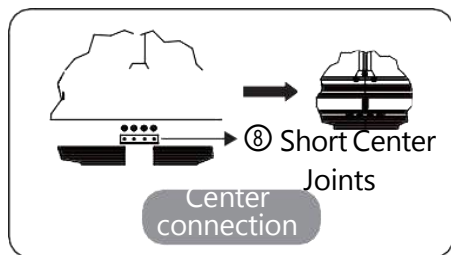
Spring Attachment Method

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 hook to pull the spring hook in the screen hole.

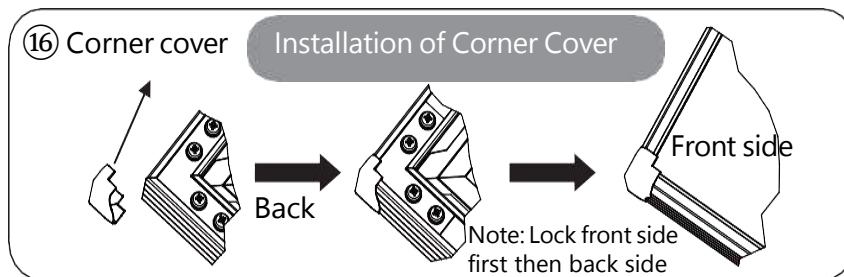
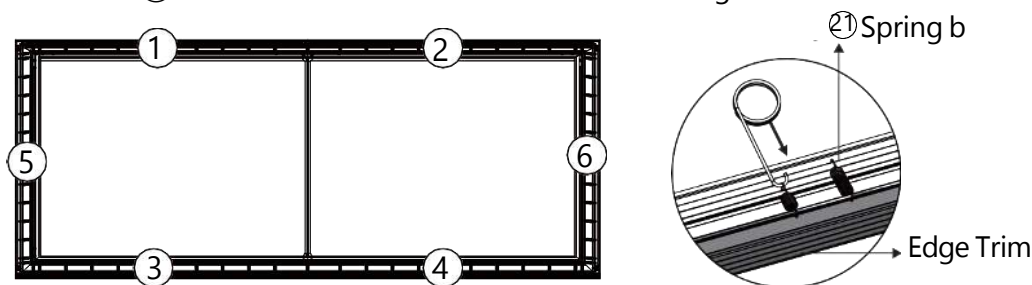


5. Bezel Trim Frame Assembly/Installation

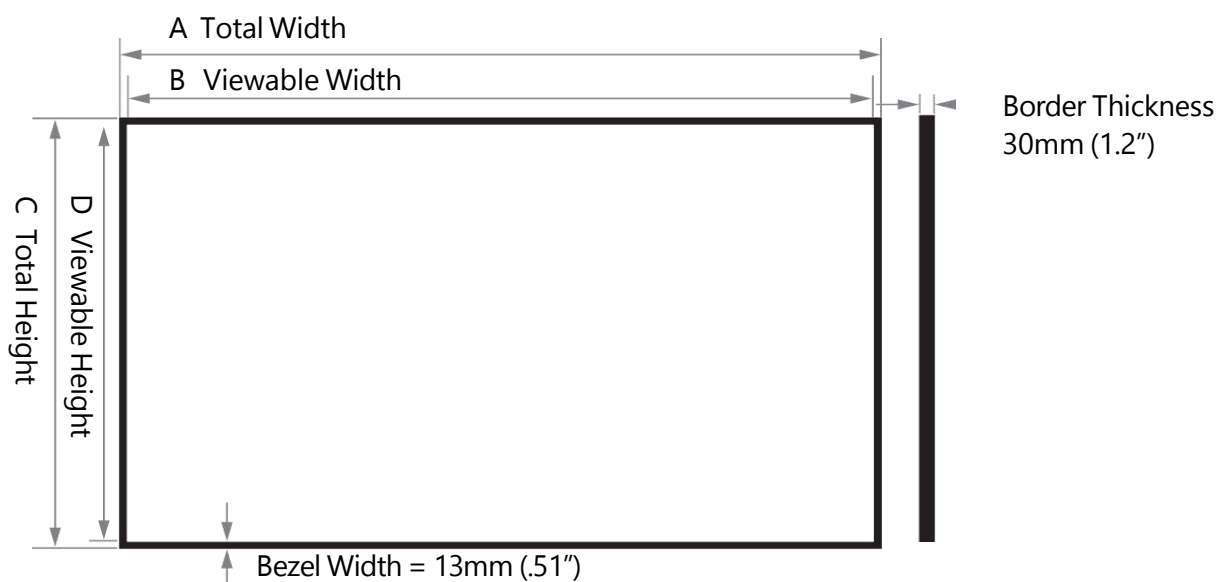
1. Connect Edge Trims ACB to form the top/bottom trims with the ⑧ Short Center joints, and then insert them on the top/bottom frames.
2. Connect the **side edge trims C** with the top/bottom edge trim with ⑮ Elbow Joints C.
3. Adjust the trim so that the top and bottom trim pieces are touching and show no gaps on the corners. Then fasten them with the ⑨ M4 x 5 screws.



4. Attach a ②① **spring b** on 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.



6. Product Dimensions



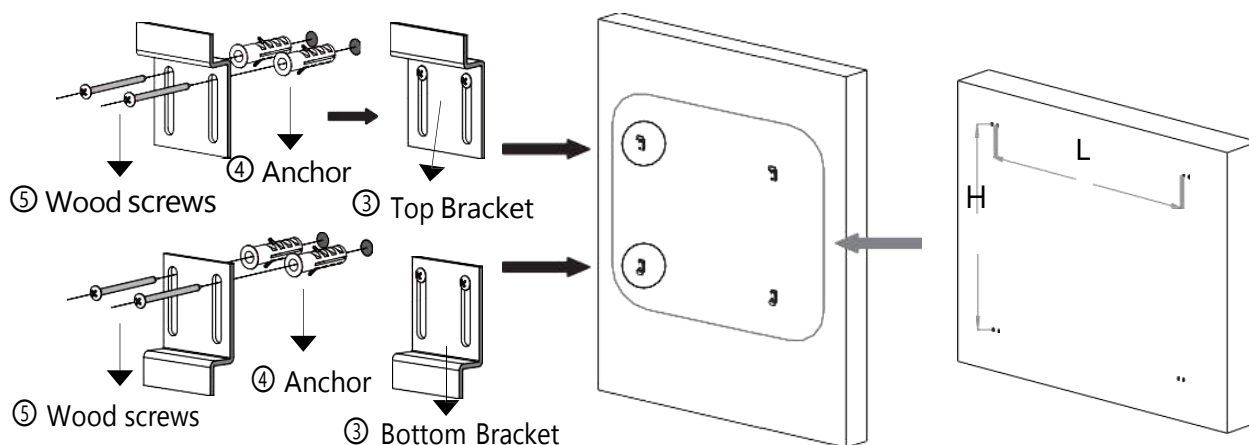
Note: The listed measurements are for general reference only.

Screen size	A	B	C	D
100"	88.0" / 2234mm	86.9" / 2208 mm	49.8" / 1265 mm	48.8" / 1239 mm
110"	96.7" / 2456 mm	95.6" / 2430 mm	54.7" / 1391 mm	53.7" / 1365 mm
120"	105.3" / 2677 mm	104.6" / 2651 mm	59.6" / 1514 mm	58.6" / 1488 mm
135"	118.5" / 3010 mm	117.5" / 2986 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"	131.5" / 3342 mm	130.5" / 3316 mm	74.3" / 1889 mm	73.3" / 1863 mm
158"	138.5" / 3518 mm	137.5" / 3492 mm	78.3" / 1989 mm	77.3" / 1963 mm
165"	144.6" / 3673 mm	143.6" / 3647 mm	81.7" / 2075 mm	80.7" / 2049 mm
180"	153.3" / 3894 mm	152.3" / 3868 mm	89.1" / 2262 mm	88.0" / 2236 mm

Tolerance may be $\pm 1"$

7. Wall installation

Drill a hole in the wall according to the distance on the chart below for your screen size. Place the brackets on the holes and secure them with the M5x50 screws using a Phillips screwdriver. If not installed into a structural wood stud, use wall anchors with the M5x50 screws. Make sure the brackets are level.

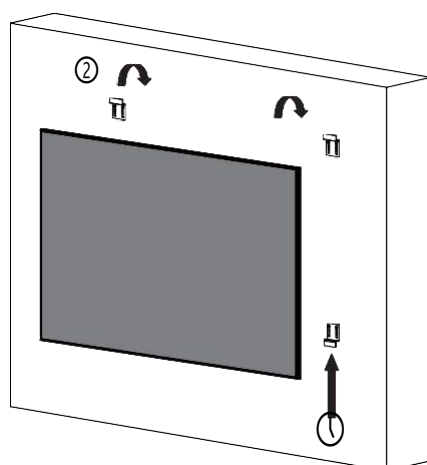


Screen size	L = Left/Right hole distance	H = Top/Bottom hole distance
100"	59.0" / 1500 mm	42.6" / 1083mm
110"	70.8" / 1800 mm	47.5" / 1209 mm
120"	78.7" / 2000 mm	52.4" / 1332mm
135"	78.7" / 2000 mm	59.8" / 1519 mm
138"	78.7" / 2000 mm	61.3" / 1556 mm
150"	98.4" / 2500 mm	67.1" / 1706 mm
158"	98.4" / 2500 mm	71.1" / 1806 mm
165"	110.2" / 2800mm	74.5" / 1893mm
180"	118.1" / 3000mm	81.8" / 2080mm

✗ For models not in the list, please calculate according to the algorithm.
 $H = \text{frame height} - 182\text{mm}$, $L = \text{frame width} - (1000\text{mm} \sim 600\text{mm})$.

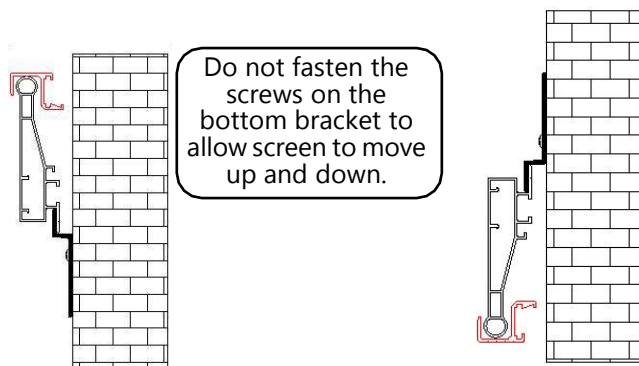
Hanging the screen:

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.



Frame installed
on top bracket

Frame installed on
bottom bra



For an Elite Screens contact and technical support in your area, please visit
www.elitescreens.com / www.elitescreens.eu