

YARD MASTER 2 SERIES



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DIGITAL CINEMA

Section 1: Screen Design

1.1 What is it for?

The **Yard Master 2** is a folding-frame outdoor projection screen. Its light-weight aluminum frame allows it to be set up in minutes. Simply, unfold the frame, attach the material and legs, then project. The Yard Master2 is the perfect companion for outdoor presentations with front or rear projection materials available.

1.2 How does it work?

The Yard Master consists of a black metal frame with T-legs that support Elite's **WraithVeil** screen material fabric with all-weather nylon-stitched reinforcements. It has a high gain performance for applications with a high ambient light intrusion. Its 2.2 gain configuration is ideal for events such as clubs, restaurants, trade shows, meeting rooms, and outside evening presentations. Its special surface coating enhances color reproduction and black level contrast with wide uniformity for large audiences.

Section 2: Product Features

2.1 Characteristics

Screen Material

- CineWhite™ tensioned front projection material
- WraithVeil tensioned rear projection material
- 4K Ultra HD and Active 3D Ready
- Black masking borders enhance picture contrast
- Corner pull-tabs make installation easier
- Snap-button attachments on material

Design and Assembly

- Light-weight aluminum square tube construction
- Single-piece frame system unfolds effortlessly
- Detachable T-legs included
- Assembles in minutes with no tools required
- Stakes, rope, and support rings included for additional support and stability
- Soft-padded carrying bag stores entire product for portability

2.2 Model Numbers

Model Number	Diag. Size	Aspect Ratio	Viewing Height (in)	Viewing Width (in)	Screen Material	Gain	Frame Color	N.W. (lbs)	G.W. (lbs)	Packaging Dimensions (LxWxH)
OMS90H2	90"	16:9	44.1	78.4	CineWhite™	1.1	Silver	19	23.1	34.3"x11.2"x7.7"
OMS100H2	100"	16:9	49.0	87.1	CineWhite™	1.1	Silver	20.3	24.7	37.8"x11.2"x7.7"
OMS110H2	110"	16:9	53.9	95.9	CineWhite™	1.1	Silver	21.4	26.0	40.2"x11.2"x7.7"
OMS120H2	120"	16:9	58.8	104.6	CineWhite™	1.1	Silver	22.5	27.6	42.9"x11.2"x7.7"
OMS135H2	135"	16:9	66.1	117.7	CineWhite™	1.1	Silver	29.3	34.6	47.2"x11.2"x7.7"
OMS90V2	90"	4:3	54.0	72.0	CineWhite™	1.1	Silver	*	*	*
OMS100V2	100"	4:3	60.0	80.0	CineWhite™	1.1	Silver	20.7	25.4	39.4"x11.2"x7.7"
OMS110V2	110"	4:3	66.0	88.0	CineWhite™	1.1	Silver	*	*	*
OMS120V2	120"	4:3	72.0	96.0	CineWhite™	1.1	Silver	22.9	29.1	45.3"x11.2"x7.7"
OMS135V2	135"	4:3	81.0	108.0	CineWhite™	1.1	Silver	29.8	34.8	49.2"x11.2"x7.7"
OMS90HR2	90"	16:9	44.1	78.4	WraithVeil	2.2	Silver	19.0	23.1	34.3"x11.0"x7.5"
OMS100HR2	100"	16:9	49.0	87.1	WraithVeil	2.2	Silver	20.3	24.7	37.8"x11.0"x7.5"
OMS110HR2	110"	16:9	53.9	95.9	WraithVeil	2.2	Silver	21.4	26	40.2"x11.0"x7.5"
OMS120HR2	120"	16:9	58.8	104.6	WraithVeil	2.2	Silver	22.5	27.6	42.9"x11.0"x7.5"
OMS135HR2	135"	16:9	66.1	117.7	WraithVeil	2.2	Silver	29.3	34.6	47.2"x11.0"x7.5"
OMS90VR2	90"	4:3	54.0	72.0	WraithVeil	2.2	Silver	*	*	*
OMS100VR2	100"	4:3	60.0	80.0	WraithVeil	2.2	Silver	20.7	25.4	39.4"x11.2"x7.7"
OMS110VR2	110"	4:3	66.0	88.0	WraithVeil	2.2	Silver	*	*	*Info coming soon
OMS120VR2	120"	4:3	72.0	96.0	WraithVeil	2.2	Silver	22.9	29.1	45.3"x11.2"x7.7"
OMS135VR2	135"	4:3	81.0	108.0	WraithVeil	2.2	Silver	29.8	34.8	49.2"x11.2"x7.7"

Section 3: Screen Material Specifications

3.1 Characteristics

WraithVeil is our rear projection screen material. It has a high gain performance for applications with a high ambient light intrusion. Its 2.2 gain configuration is ideal for events such as clubs, restaurants, trade shows, meeting rooms, and outside evening presentations. Its special surface



coating enhances color reproduction and black level contrast with wide uniformity for large audiences. Seamless screen sizes are available in sizes up to 200".

Features & Benefits

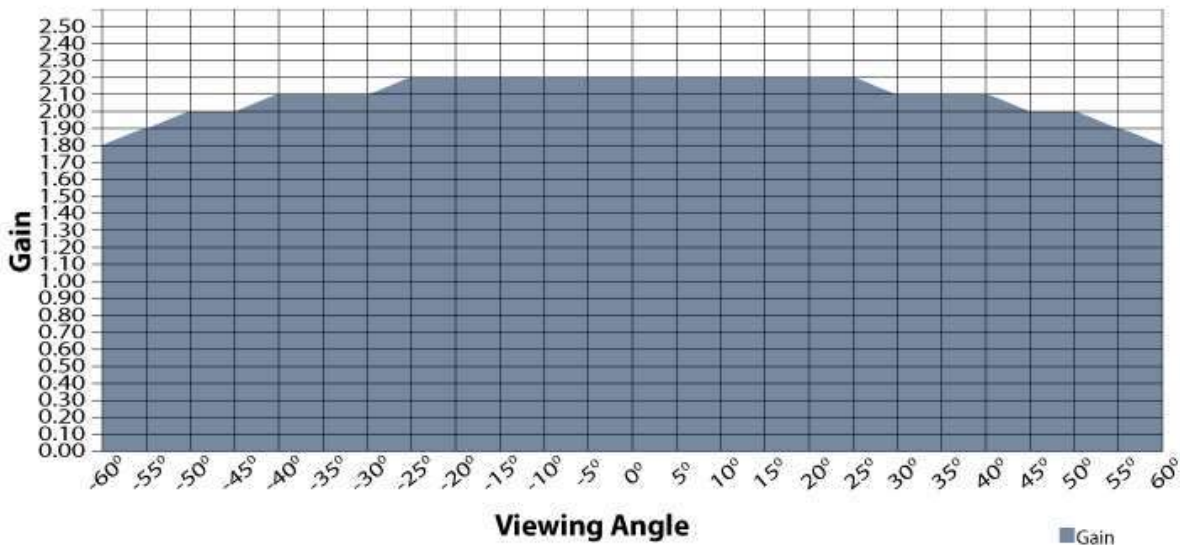
- Textured PVC with surface coating
- Gain 2.2
- Viewing angle: 160° (80° ± LR)
- Screen surface can be easily cleaned with mild soap and water
- Mildew resistant
- 4K Ultra HD and Active 3D Ready

Specifications	
Thickness	0.36 mm
Weight	350 g/m ²
Maximum Height	3.2 M
On-axis Gain	1.0
Half-Gain Angle	Does not reach half gain

3.2 Gain and Viewing Angle Chart



On axis 0° Gain: 2.2
Viewing Cone: 160°



3.3 Characteristics

CineWhite™ (Tension Matte White) has broad light dispersion through diffusion uniformity, black & white contrast and true color rendition making it the most versatile in Elite's tensions screen product lines. This tension PVC surface is the best choice for today's high-contrast ratio projectors in commercial or residential



presentations. The **CineWhite™** material equals the performance to our MaxWhite product, but improves the experience with the superior surface flatness. Uniform diffusion surface has black-backing to eliminate light penetration and is easily washable with mild soap and water.

Features & Benefits

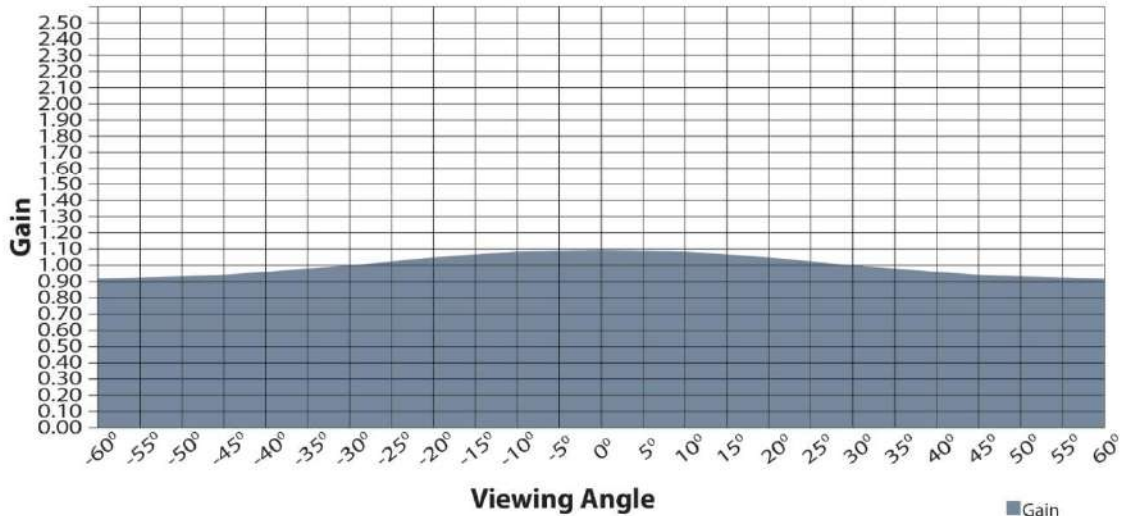
- Multi-layer PVC (Polyvinyl chloride) with texture and surface coating
- Gain: 1.1
- View Angle: 180° (90° ±LR)
- Full Lambertian Diffuser- no half gain drop
- Produces exceptional picture quality for any presentation
- Mildew Resistant
- Active 3D and 4K Ultra HD ready
- Surface can be cleaned with (water) moist cotton cloth

Specifications	
Thickness	0.27 mm
Weight	350 g/m ²
Maximum Height	3.2 M
On-axis Gain	1.1
Half-Gain Angle	Does not reach half gain

3.4 Gain and Viewing Angle Chart



On axis 0° Gain: 1.1
Viewing Cone: 180°



Section 4: Execution

4.1 Care & Use Instructions

- ◆ Please be sure to distinguish between the front and back of the screen fabric when setting up the projection screen. CineWhite™ (front projection) has a black backing and WraithVeil (rear projection) is labeled front, back.
- ◆ Dust, dirt and scratches on the projection surface will affect the picture quality, please take note of the points below to prevent that from occurring:
 1. Do not touch the projection surface with your hands
 2. Do not write or draw on the projection surface
 3. Do not use fingers or sharp objects to point on the projection surface; this will damage the screen material.
 4. Use a soft-damp cloth to clean the projection surface; do not use chemical cleaning agents or alcohol.
 5. Use clean water when dampening the cleaning cloth and do not rub against the material to clean it.
- ◆ After using the screen, disassemble it and store it in the carrying bag provided.
- ◆ To avoid damage and injury, the screen should only be operated by adults.

4.2 Product Description

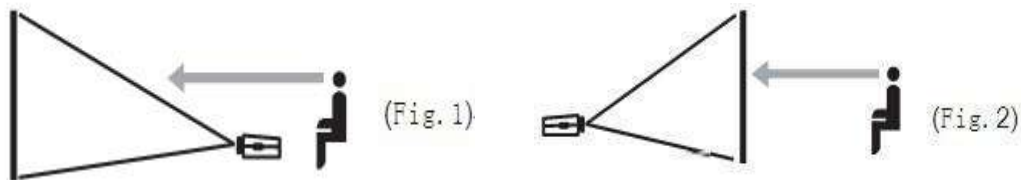
Design: The aluminum frame is designed to be light weight and easily operated making it easy to carry, assemble and disassemble.

Screen Fabric: The screen fabric is attached to the rectangular frame and held in place by several press studs, which ensure an evenly stretched and flat surface. The CineWhite™ (front projection) and WraithVeil (rear projection) screen materials are durable and can be folded many times without causing damage or distortion to the surface.

Correct usage of the projection screen will ensure better viewing results.

For front projection, assemble and view the screen as indicated in Fig.1.

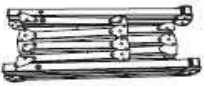








For rear projection, assemble and view the screen as indicated in Fig.2.



4.3 Submittals

Content and accessories list: When unpacking the screen, check that all parts are included

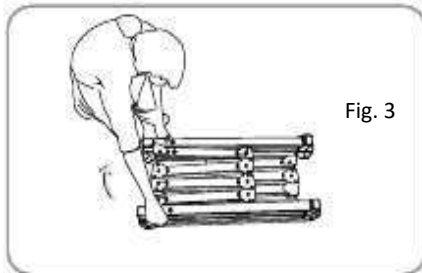
Parts Diagram

<p>A. Folding frame x1</p> 	<p>B. Left and right folding legs x2</p> 	<p>C. Screen material bag x1</p> 
<p>D. Projection screen material x 1</p> 	<p>E. Knob screw x2</p> 	<p>F. Eyebolt x2</p> 
<p>G. Rope x2</p> 	<p>H. Carrying Bag x 1</p> 	<p>I. Stakex4</p> 

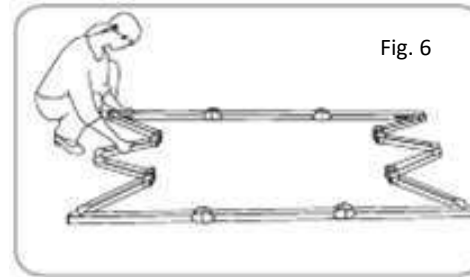
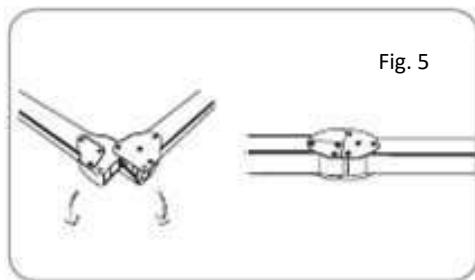
Note: The parts list above is subject to change without notice.

4.4 Frame Assembly and Screen Material Attachment

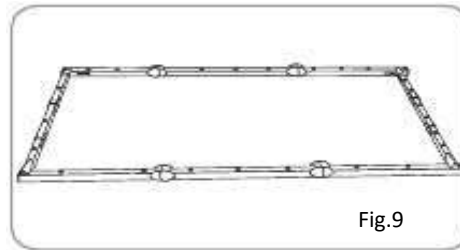
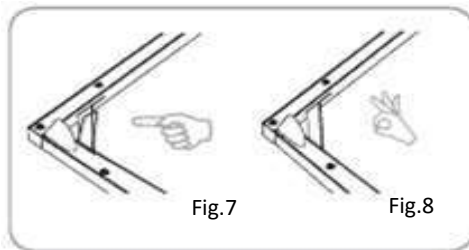
1. Take the *folding frame (A)* out of the *carrying bag (H)* and place it on a flat surface. Unfold the longer sections first as shown in Fig.3-4.



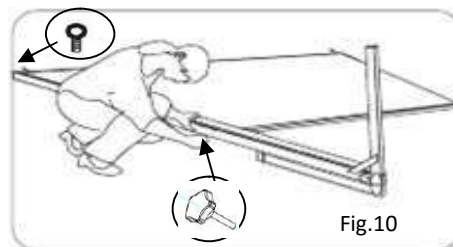
2. Unfold the frame until the latch on the hinge "clicks" into place. Repeat the procedure for the shorter sections.(Fig. 5-6)



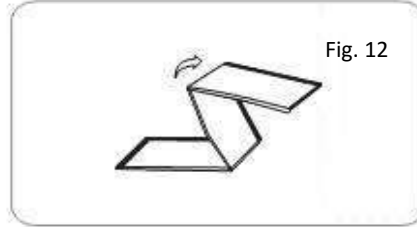
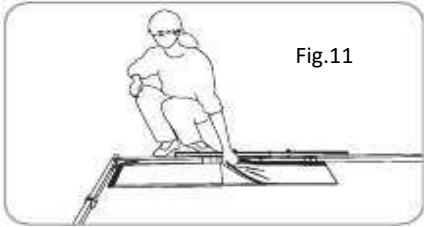
3. Make sure all 4 corners of the frame are at a 90° angle and the hinged support bar is straight and not bending. (Fig. 7-9)



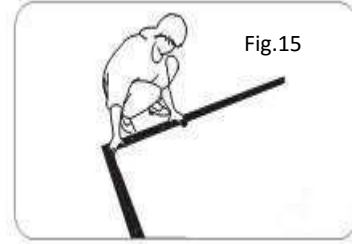
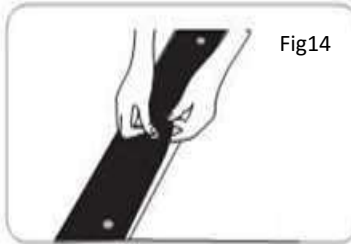
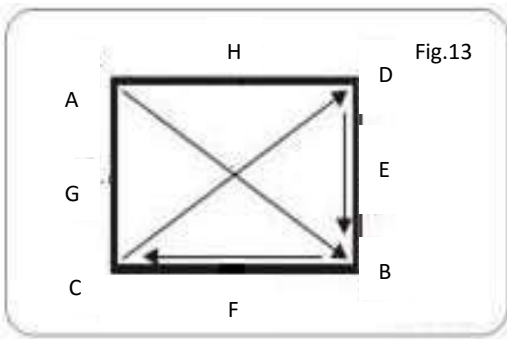
4 . Insert the frame *legs (B)* into the openings located at the left and right bottom sides of the *folding frame (A)*. Secure them by fastening the *knob screw (E)* into the adjacent hole. Next, screw the *eyebolts (F)* into the openings located at the top of the frame (Fig.10).



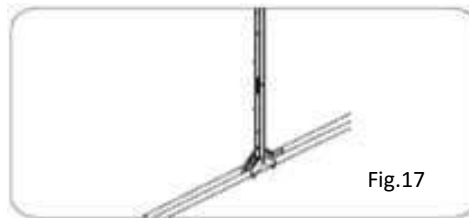
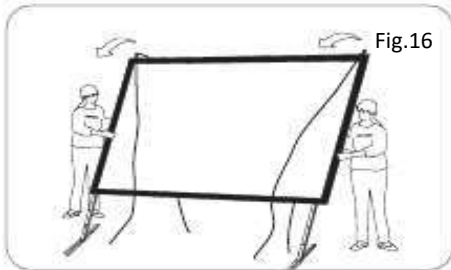
5. Take the **screen material (D)** out of the **screen material bag (C)** and align the corners of the screen material with the inside corners of the frame. Unfold as shown in the diagram (Fig.11-12).



6. Once the **screen material (D)** is fully extended, secure the material by snapping the buttons onto the frame studs as shown in Fig. 13-15. Fasten the buttons in the following order AB→CD→EF→GH.



7. Tie 4 pieces of **rope (2 on the left and 2 on the right)** to the **eyebolts (F)** that are located at the top of the frame. Next, lift the screen up while simultaneously opening the frame legs. Two people are needed for this step. Fig.16-17

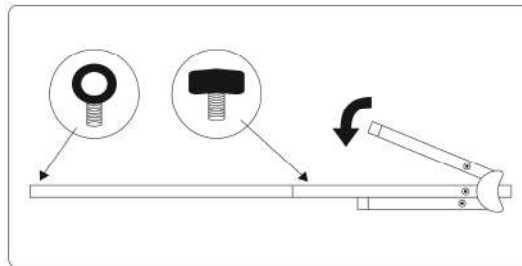
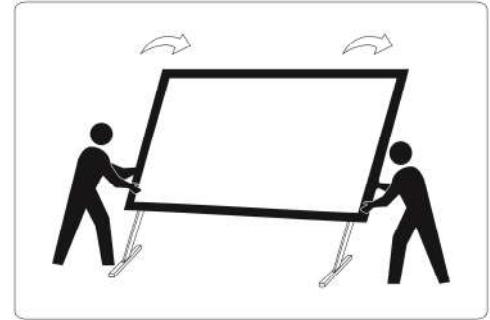


8. To secure the frame, place a **stake (I)** into each hole located on the frame footing, and hammer it into the ground. Finally, tie the 4 **ropes (G)** to the stakes to prevent the screen from tilting or falling over. As shown in Fig.18.



Screen Disassembly

1. Remove *ropes (G) and stakes (I)* from the ground.
2. Unlatch the hinged support bars on front side of each leg so that it is bent and fold that half of the legs up for the next step.
3. Slowly lower the screen to the ground (towards the closed legs). Two people are needed for this step.
4. Unlatch the hinged support bars and fold down other half of legs.
5. Loosen and remove the ropes, *knob screws (E)* and *eyebolts (F)* from each leg.

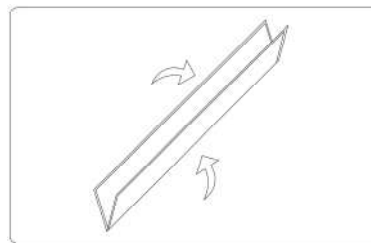
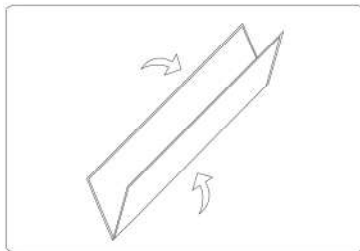


6. Remove the frame *legs (B)* from the *folding frame (A)*.
7. Detach the *screen material (D)* from the *folding frame (A)* by carefully unsnapping each button as shown.

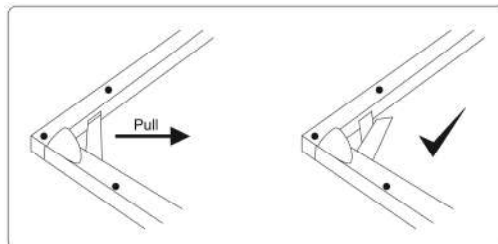


8. Fold *screen material (D)* in half, folding the bottom of the screen towards the top. Then, fold in half again in the same way. Lastly, fold the material into thirds to condense the length, see Fig. 19 – 21.

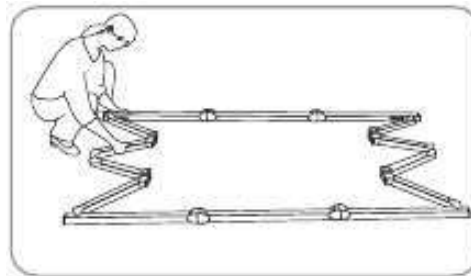
*If you prefer to roll the material, instead of folding into thirds, roll from one end to the other after folding in half twice.



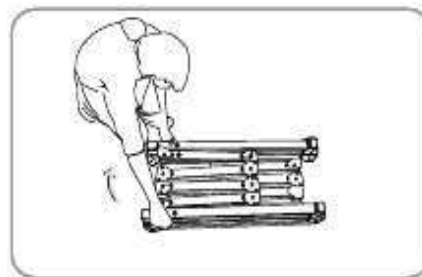
9. Unlatch the hinged support bars in each corner of the *folding frame (A)*.



10. Press in the silver locking buttons, near the folding joints, and slowly gather the sides of the folding frame



11. Again, press in the silver locking buttons. Then, pick up one end of the folding frame, and walk it to the other end, folding the longer sections into thirds.



12. Store the screen in the provided *carrying bag (h)*. Be sure to place folding frame, legs, and smaller parts into the carrying bag first and place the material on top to keep material from creasing or tearing.



Section 5: Product Specifications

5.1 Dimensions

Model Number	Screen Diag. & Aspect Ratio	View Width (A)	L/R Border (A1)	Frame Length (A2)	View Height (B)	Frame Height (B1)	Top/Bottom Border (B2)	B3	Rope Length (B4)	A3	B5	C	Frame/Tube Width
Unit: Inches													
OMS90H2	90" (16:9)	78.4	3.0	83.6	44.1	74.1	3.0	24.1	76.4	29.9	7.1	9.8	1.3
OMS100H2	100" (16:9)	87.1	3.0	92.3	49.0	79.1	3.0	24.1	81.2	32.7	7.1	9.8	1.3
OMS110H2	110" (16:9)	95.9	3.0	101.1	53.9	83.9	3.0	24.1	85.9	35.8	7.1	9.8	1.3
OMS120H2	120" (16:9)	104.6	3.0	109.8	58.8	88.9	3.0	24.1	90.7	38.6	7.1	9.8	1.3

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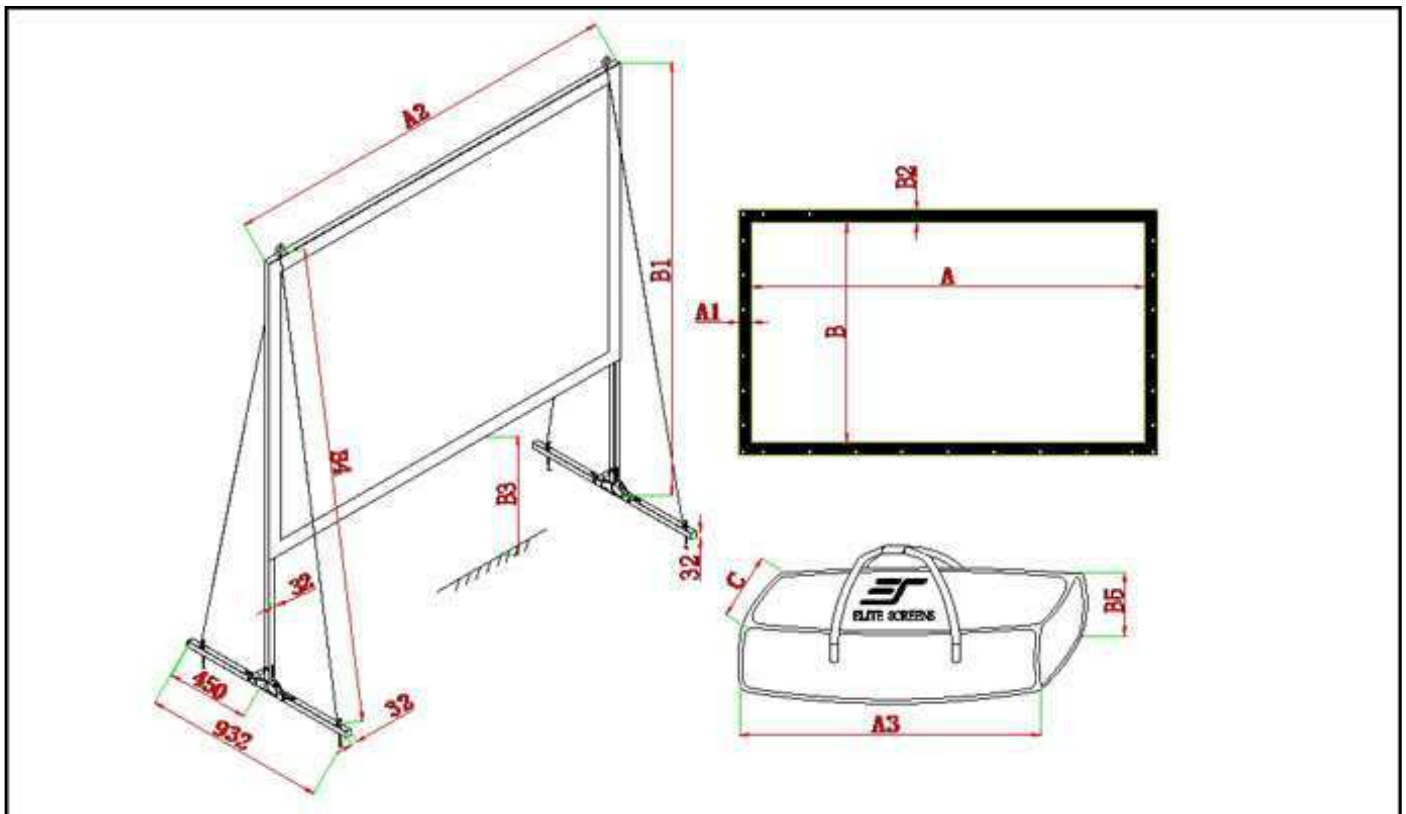
<http://www.elitescreens.com>



Model Number	Screen Diag. & Aspect Ratio	View Width (A)	L/R Border (A1)	Frame Length (A2)	View Height (B)	Frame Height (B1)	Top/Bottom Border (B2)	B3	Rope Length (B4)	A3	B5	C	Frame/Tube Width
OMS135H2	135" (16:9)	117.7	3.0	122.9	66.1	96.2	3.0	24.1	97.9	42.9	7.1	9.8	1.3
OMS90V2	90" (4:3)	72.0	3.0	77.2	54.0	84.1	3.0	24.1	86.0	31.9	7.1	9.8	1.3
OMS100V2	100" (4:3)	80.0	3.0	85.2	60.0	90.0	3.0	24.1	91.9	35.0	7.1	9.8	1.3
OMS110V2	110" (4:3)	88.0	3.0	93.2	66.0	96.0	3.0	24.1	97.8	37.8	7.1	9.8	1.3
OMS120V2	120" (4:3)	96.0	3.0	101.2	72.0	102.0	3.0	24.1	103.7	40.7	7.1	9.8	1.3
OMS135V2	135" (4:3)	108.0	3.0	113.2	81.0	111.0	3.0	24.1	112.5	44.9	7.1	9.8	1.3
OMS90HR2	90" (16:9)	78.4	3.0	83.6	44.1	74.1	3.0	24.1	76.4	29.9	7.1	9.8	1.3
OMS100HR2	100" (16:9)	87.1	3.0	92.3	49.0	79.1	3.0	24.1	81.2	32.7	7.1	9.8	1.3
OMS110HR2	110" (16:9)	95.9	3.0	101.1	53.9	83.9	3.0	24.1	85.9	35.8	7.1	9.8	1.3
OMS120HR2	120" (16:9)	104.6	3.0	109.8	58.8	88.9	3.0	24.1	90.7	38.6	7.1	9.8	1.3
OMS135HR2	135" (16:9)	117.7	3.0	122.9	66.1	96.2	3.0	24.1	97.9	42.9	7.1	9.8	1.3
OMS90VR2	90" (4:3)	72.0	3.0	77.2	54.0	84.1	3.0	24.1	86.0	31.9	7.1	9.8	1.3
OMS100VR2	100" (4:3)	80.0	3.0	85.2	60.0	90.0	3.0	24.1	91.9	35.0	7.1	9.8	1.3
OMS110VR2	110" (4:3)	88.0	3.0	93.2	66.0	96.0	3.0	24.1	97.8	37.8	7.1	9.8	1.3
OMS120VR2	120" (4:3)	96.0	3.0	101.2	72.0	102.0	3.0	24.1	103.7	40.7	7.1	9.8	1.3
OMS135VR2	135" (4:3)	108.0	3.0	113.2	81.0	111.0	3.0	24.1	112.5	44.9	7.1	9.8	1.3
Unit: mm													
OMS90H2	90" (16:9)	1992	75	2124	1120	1883	75	613	1940	760	180	250	32
OMS100H2	100" (16:9)	2214	75	2346	1245	2008	75	613	2061	830	180	250	32
OMS110H2	110" (16:9)	2435	75	2567	1368	2131	75	613	2181	910	180	250	32
OMS120H2	120" (16:9)	2657	75	2790	1494	2257	75	613	2305	980	180	250	32
OMS135H2	135" (16:9)	2990	75	3122	1680	2443	75	613	2487	1090	180	250	32
OMS90V2	90" (4:3)	1829	75	1961	1372	2135	75	613	2185	810	180	250	32
OMS100V2	100" (4:3)	2032	75	2164	1524	2287	75	613	2334	890	180	250	32
OMS110V2	110" (4:3)	2235	75	2367	1676	2439	75	613	2483	960	180	250	32
OMS120V2	120" (4:3)	2438	75	2570	1829	2592	75	613	2634	1035	180	250	32
OMS135V2	135" (4:3)	2743	75	2875	2057	2820	75	613	2858	1140	180	250	32
OMS90HR2	90" (16:9)	1992	75	2124	1120	1883	75	613	1940	760	180	250	32

Model Number	Screen Diag. & Aspect Ratio	View Width (A)	L/R Border (A1)	Frame Length (A2)	View Height (B)	Frame Height (B1)	Top/Bottom Border (B2)	B3	Rope Length (B4)	A3	B5	C	Frame/Tube Width
OMS100HR2	100" (16:9)	2214	75	2346	1245	2008	75	613	2061	830	180	250	32
OMS110HR2	110" (16:9)	2435	75	2567	1368	2131	75	613	2181	910	180	250	32
OMS120HR2	120" (16:9)	2657	75	2790	1494	2257	75	613	2305	980	180	250	32
OMS135HR2	135" (16:9)	2990	75	3122	1680	2443	75	613	2487	1090	180	250	32
OMS90VR2	90" (4:3)	1829	75	1961	1372	2135	75	613	2185	810	180	250	32
OMS100VR2	100" (4:3)	2032	75	2164	1524	2287	75	613	2334	890	180	250	32
OMS110VR2	110" (4:3)	2235	75	2367	1676	2439	75	613	2483	960	180	250	32
OMS120VR2	120" (4:3)	2438	75	2570	1829	2592	75	613	2634	1035	180	250	32
OMS135VR2	135" (4:3)	2743	75	2875	2057	2820	75	613	2858	1140	180	250	32

5.2 Drawings



5.3 Pictures

***Yard Master 2 Series* Sizes**



Frame and Screen Material Detail



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<http://www.elitescreens.com>



Carrying Bag Detail

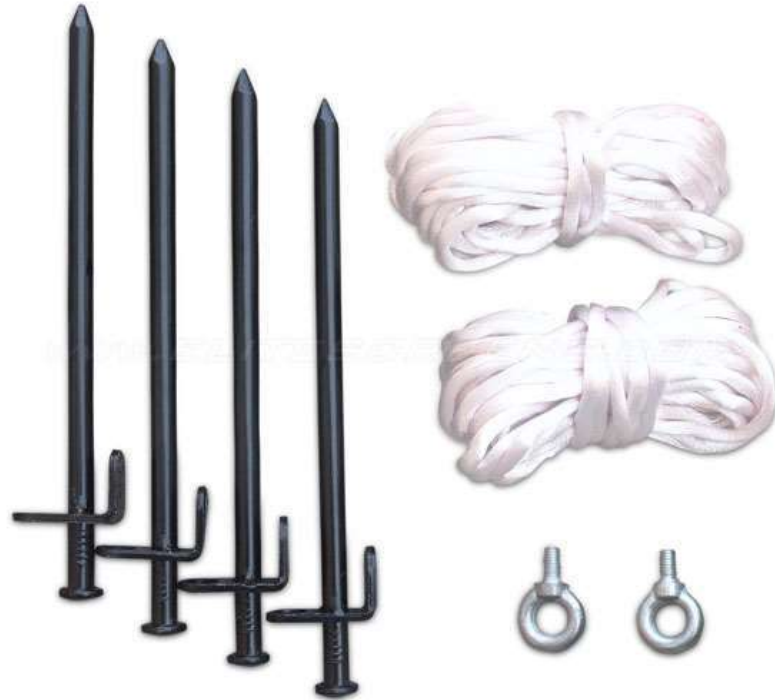


PRODUCT WHITE PAPER

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Stake, Rope, and Eyebolt Detail



Life Style





Section 6: About Elite Screens

6.1 Company Description

Elite Screens Inc. is a California based company that specializes in making quality commercial and home-theater projection screens for the retail and custom install sales channels. Our company began as an innovative venture into the projection market by manufacturing veterans from the AV/IT industry. Elite Screens quickly established itself as an entry level commercial and home theater screen manufacturer. This was accomplished by making a quality product cost effective with a focus on mass-producing screen material, sizes and aspect ratios that were most commonly preferred by AV customers in general. We focused on uniformity with what would match the mainstream demographic while including extra features that are not usually included by other manufacturers. In time, we progressed from just retail sales into the realm of custom installer/integrator manufacture as our numerous reviews and awards will attest. We stand behind our product and are so certain of customer satisfaction with the quality of our product that we offer a 2-year manufacturer's warranty which is twice the industry standard.

In our continued devotion to excellence in products and service, we are committed to implementing green practices with our production. We have adopted manufacturing methods that promote conservative regulation of our energy needs. Our simple product designs combined with the expertise of our permanent staff ensures that our entire line of products are made by experienced hands devoted to the high standards of today's audio-video consumer.

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