

CineTension Plus Series

Section 1: Screen Design

1.1 What is it?

CineTension Plus is a robust and well made electric motorized projector screen. Its tab-tensioned material provides uniform flatness and has a wide viewing angle. The 1.1 gain material is also 4K Ultra HD and active 3D ready.

1.2 How does it work?

It drops and retracts by means of a powerful tubular motor and its sliding installation brackets ensure a perfectly centered installation. A full IR/RF, RJ45 and 5-12 volt trigger control package is included.

Section 2: Product Features

2.1 Characteristics

Screen Material

- CineWhite® Tension material provides uniform flatness in a versatile material
- 180° wide viewing angle
- 4K Ultra HD, Active 3D, and HDR Ready
- Standard 4-side black masking borders
- Available in the following range of diagonal sizes
 - 180" in 16:9 format

Design and Installation

- Streamlined arcuate profile aluminum heavy-duty white case
- Ring bolts included on case for suspended ceiling installation
- Plug & Play ready, no hardwire installation required

Control System

- Internal Radio Frequency/Infrared receivers with IR, RF remotes included
- Infrared IR "eye" extension sensor - ideal for concealed installation but still require infrared control
- Detachable 3-way wall switch keypad for UP/STOP/DOWN manual operation
- Wireless 5-12 volt trigger included for synchronized screen operation with the projector's power cycle
- RJ45 port allows 3rd party control system integration

Quality and Reliability

- Tubular motor allows swift operation with a superior weight tolerance and operational lifespan
- 5-year manufacturer's warranty

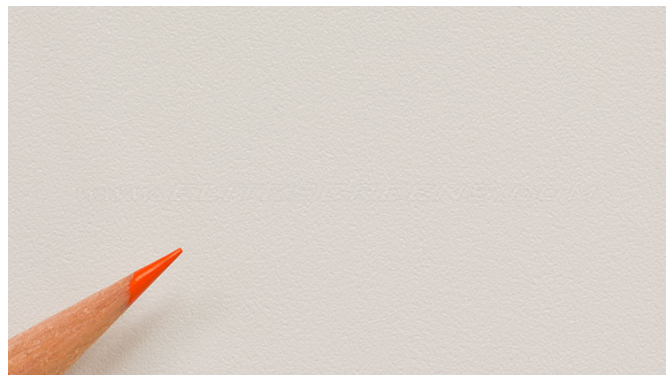
2.2 Model Numbers

Model Number	Nominal Diagonal	Aspect Ratio	Viewing Height (in)	Viewing Width (in)	Screen Material	Gain	Case Color	N.W. (lbs)	G.W. (lbs)	Packaging Dimensions (LxWxH)
TE180XWH	180"	16:9	88.3	156.9	CineWhite®	1.1	White	115.1	124.6	193.5"x10.4"x9.3"

Section 3: Screen Material Specifications

3.1 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

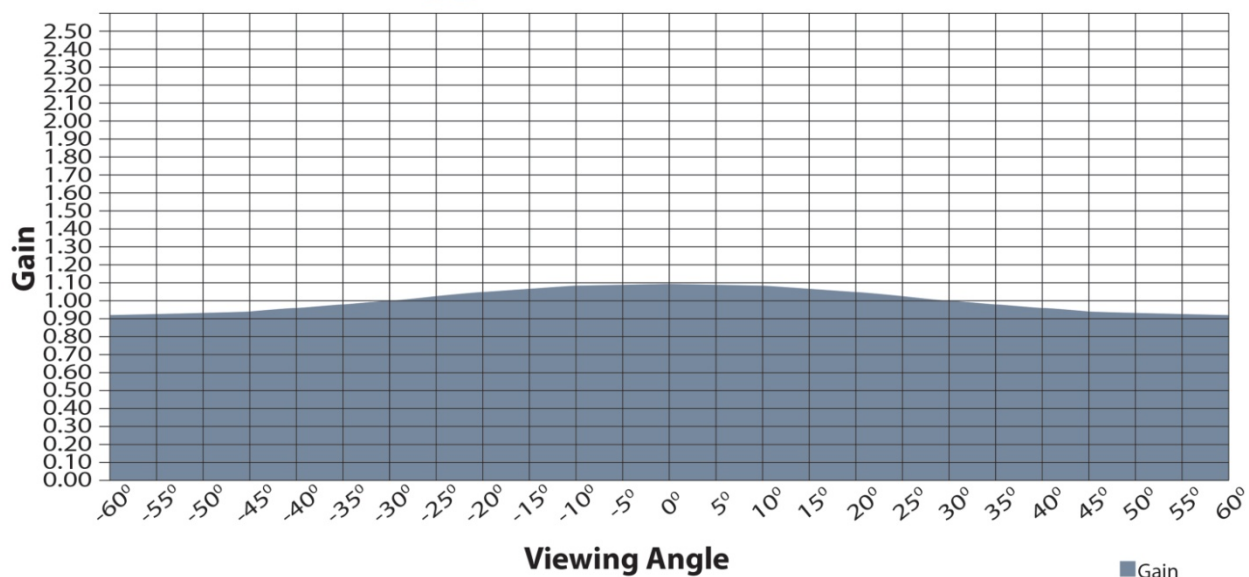
- Multi-layer PVC (Polyvinyl chloride) with texture and surface coating
- Gain: 1.1
- View Angle: 180° (90° ±LR)
- Full Lambertian Diffuser- no half gain drop
- Produces exceptional picture quality for any presentation
- Mildew Resistant
- Active 3D, 4K Ultra HD, and HDR ready
- Surface can be cleaned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

Specifications	
Thickness	0.27 mm (0.011")
Weight	350 g/m ²
Maximum Height	3.2 M (10 ft)
On-axis Gain	1.1
Half-Gain Angle	Does not reach half gain

3.2 Gain and Viewing Angle



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



Section 4: Execution

4.1 Important Safety & Warning Precautions

Caution: The screen's Black Top Drop is already set to its maximum drop distance. There is NO extra Black Top Drop in the roller. Please be aware of this as it will void your warranty with EliteProAV. Unapproved changes or modifications (except for cutting the power cord for hardwire installations) to this unit are prohibited and will void your warranty. For more information, please contact our Technical Support Department at (877) 511-1211 Ext. 604.

- Please retain this user's guide for future reference.
- To avoid damaging the unit, do not use with any unauthorized accessories not recommended by the manufacturer.
- Handle the unit carefully during transportation to avoid any damages.
- To ensure safe and reliable operation, direct connection to a properly grounded power source is advised.



- The power outlet supplying power to the unit should be close to the unit and easily accessible.
- Do not install the unit on uneven or inclined surfaces.
- Do not put heavy objects on the power cord and position it properly to avoid creating a trip obstacle.
- Never overload the power cord to prevent an electric shock or fire due to a loose contact or a short circuit.
- There are not user serviceable parts in this unit. Do not attempt to disassemble this unit by yourself. No one except authorized technicians can open and make repairs to this unit.
- Make sure the power source this unit is connected to has a continuous power flow.
- If there is need to use an extension cord, make sure the cord has an equal rating as the appliance to avoid overheat.
- Do not handle the power plug when your hands are wet or your feet are in contact with water.

Do not use this unit under the following circumstances.

- Disconnect the power cord under the conditions of heavy rain, wind, thunder or lightning.
- Avoid direct Sunshine, rain shower and moisture.
- Keep away from fire sources and high temperature to prevent this device from overheating.
- Cut off the power supply first before transportation or maintenance.
- Fully disconnect from the power supply when the unit is not in use for a long period of time, as should be done with any other electric household appliance.
- To avoid possible injury and/or an electric shock, do not attempt to use the screen if there is obvious damage or if there are any evident broken parts.

4.2 Installation Warning

Due to various installation environments, the instructions provided in this user's guide are for reference only. Please consult a professional installation company for further installation and safety advice. The installer must insure that proper mounting hardware is used to provide adequate strength suitable for the installation. EliteProAV is not liable for any faulty installations.

The Screen's **Top Black Drop** is already set to its maximum drop distance. There is **NO** extra top black drop in the roller. Please be aware of this as it will void the limitation of your warranty.

Individual modifications to this product are prohibited and will void the warranty with the manufacturer. Please contact EliteProAV Customer Service for any questions.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that the interference will not occur on a particular installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- ✓ Reorient or relocate the receiving antenna of the device which may be causing the interference.
- ✓ Increase the separation between the screen and the device's receiver.
- ✓ Connect the equipment into a different power outlet other than the device

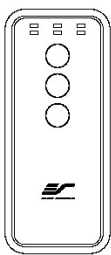
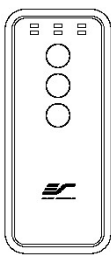
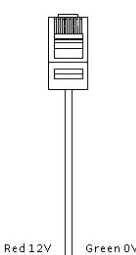



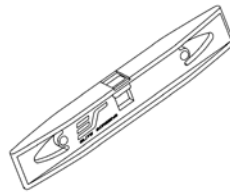
4.3 Pre-Installation

1. Carefully unpack the screen.
2. Always handle the screen in a leveled position on a clean surface.
3. In order to protect the screen from exposure to stains, keep the screen out of contact with foreign particles such as dust, sawdust, and/or liquids.

NOTE

Regardless of the mounting method, the screen should be securely supported so that the vibration or pulling on the viewing surface will not cause the casing to become loose or fall. The installer must insure the fasteners that are used are of adequate strength and suitable for the installation location.

4.4 Controls and Accessories

A. IR Remote	B. RF Remote	C. 5-12 volt trigger cable	D. Wall switch control box
			
E. IR extended "eye" receiver	F. AAA batteries	G. Bubble Level	
			

4.5 Installation Instructions

Please consult a professional installer. EliteProAV is not liable for any faulty installations.

1. Select the installation location for your screen. Ensure that it is within reasonable proximity from your power source.
2. EliteProAV provides a built-in suspended ceiling mount bracket for the CineTension Plus. The professional installer would need to provide any hardware and the safest way to install this screen.

1. Built in installation bracket.



2. Built-in 5-12 volt trigger port (RJ-45) for 12 Volt Trigger, 3 Way Wall Switch and IR Eye Receiver.



4.6 Troubleshooting

For additional information, please contact EliteProAV at techsupport@elitescreens.com

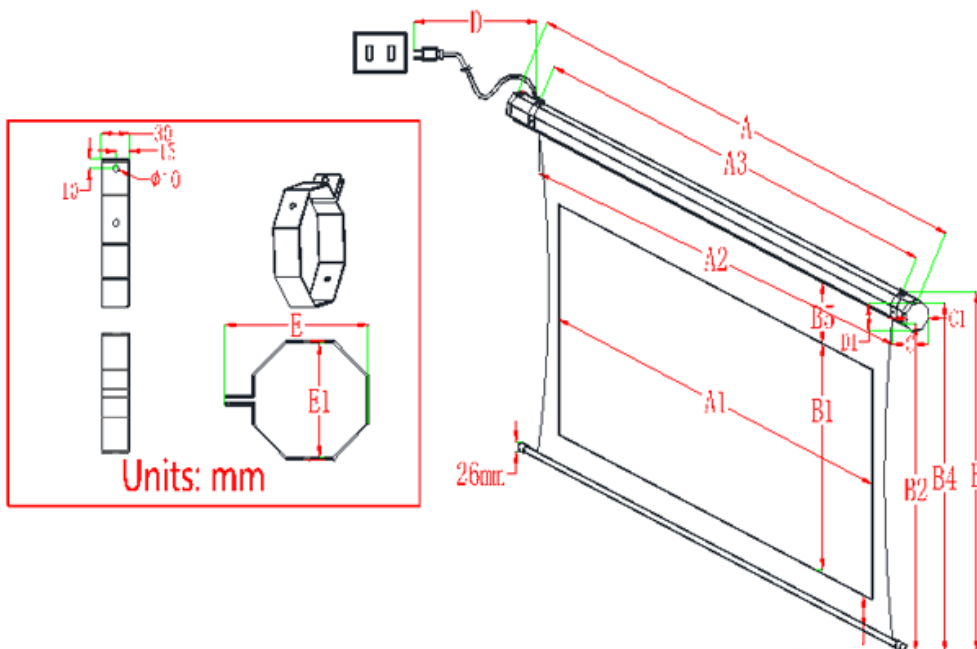
1. If your screen does not move, please check the power supply. The screen will understandably not move without power.
2. Make sure the power cord is firmly plugged to the power outlet.
3. Make sure that all cable connections are secure.
4. If the screen works well with the line switch but not with the remote control, please make sure the remote controls have fresh batteries. Change the batteries every 6 months to ensure proper operation of the remotes.

Section 5: Product Specifications

5.1 Dimensions

Model Number	Diag. Size	Aspect Ratio	(A)	(A3)	(A1)	(A2)	(B)	(B1)	(B2)	(B3)	(B4)	(B5)	(C1)	(C)	(D1)	(E)	(E1)	(D)
Unit: Inches																		
TE180XWH	180"	16:9	187.4	180.9	156.9	172.6	108.0	88.3	100.6	2.4	105.6	10.0	5.0	0.6	5.0	7.4	5.4	98.4
Unit: mm																		
TE180XWH	180"	16:9	4760	4595	3985	4385	2744	2242	2556	60	2683	254	127	15	127	188	138	2500

5.2 Drawings



5.3 Pictures

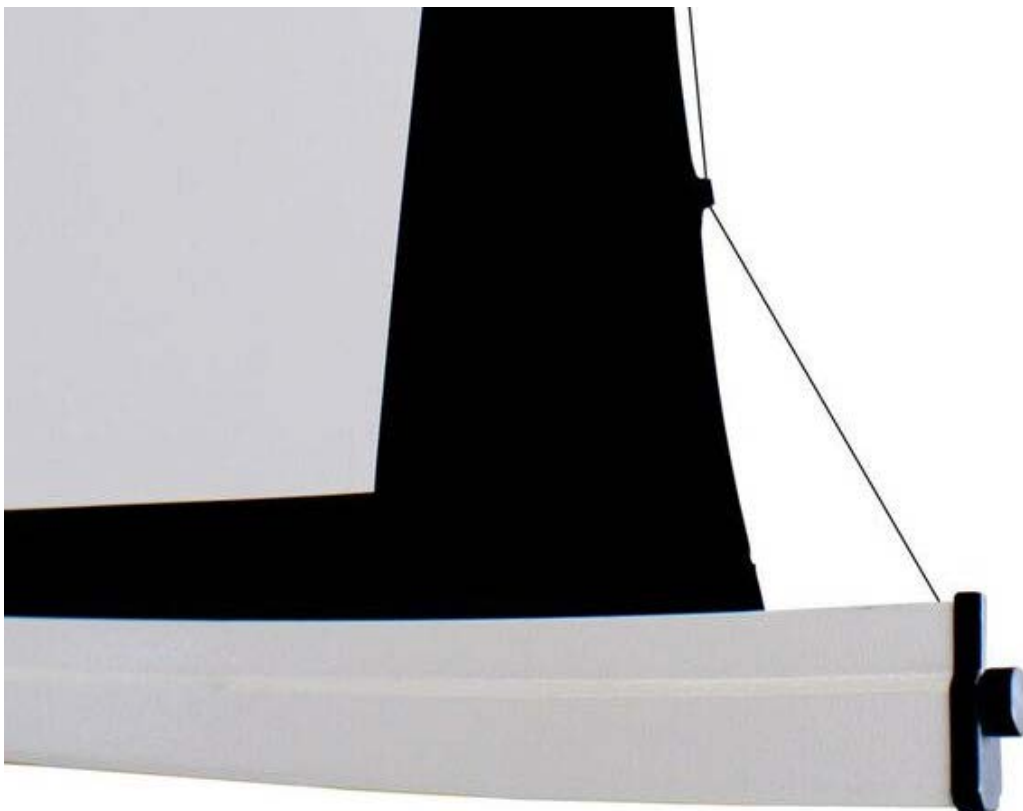
CineTension Plus Series Side View



Back Side View



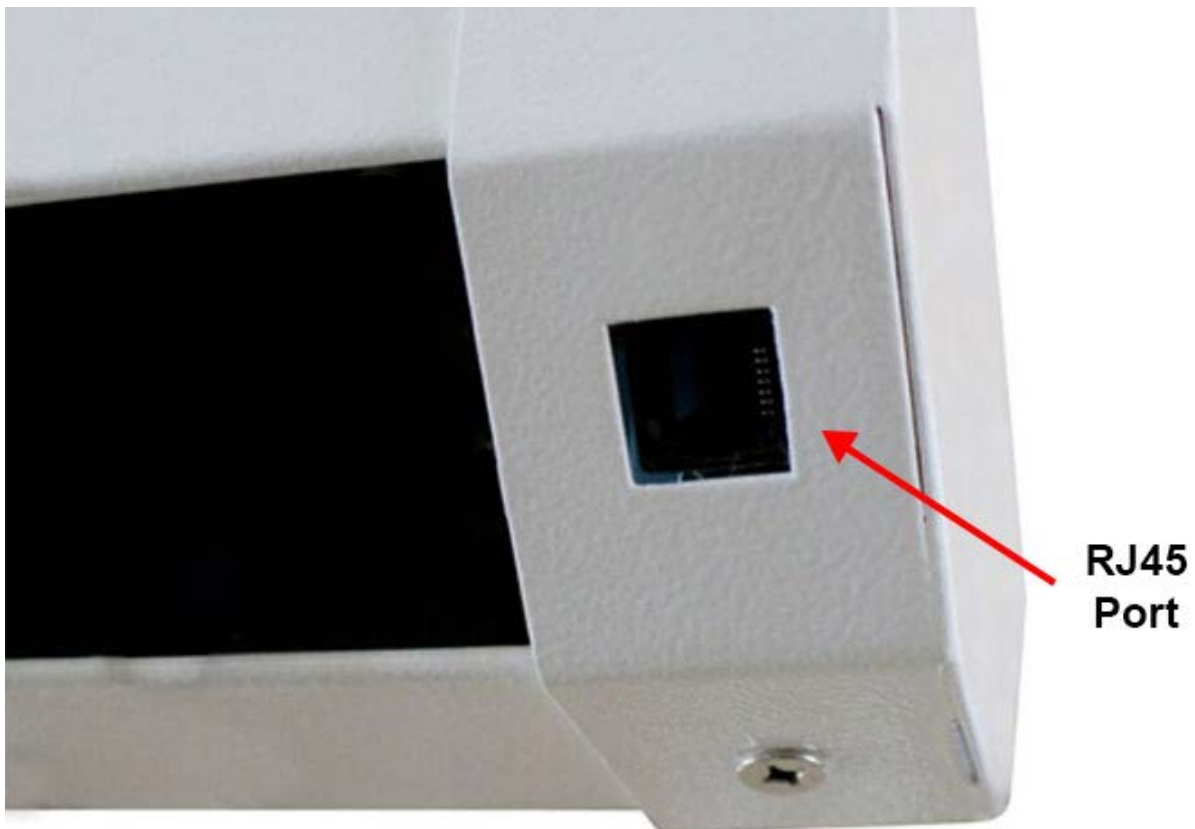
Weight Bar and Tab-Tension Detail



Tab-Tension Detail



End Cap and RJ45 Port Detail



Remote Kit

**Section 6: Company Description****6.1 About EliteProAV™**

EliteProAV™ is a the manufacturer of projector screens for the commercial AV sales channel. It is a division of Elite Screens Inc., an ISO9001:2015 certified manufacturer that is presently the leading international brand of CE Retail projector screens with offices located worldwide.

EliteProAV™ provides an array of dedicated commercial grade projector screens for professional integrators. This includes certified products that are also compatible with building codes as well as programs, warranties and trained professionals to assist installers every step of the way. Product is available through a series of regional warehouses located in Southern California, Texas, Georgia, and Maryland. EliteProAV™ is located at 12282 Knott St. Garden Grove, CA 92841. For more information, please call 877-511-1211 or visit <http://www.eliteproav.com>.

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