

# Paragon V

Large Electrically Operated Projection Screen With Motor-In-Roller

## SUBMITTAL TECHNICAL INFO

Specifications *Please check all appropriate selections and attach room schedule with verified dimensions.*

Projection screens, size \_\_\_\_\_ h. x \_\_\_\_\_ w., electrically operated 110-120V AC 60 Hz. 3-wire motor mounted inside screen roller, 2.5 amp draw, instantly reversible, lifetime lubricated, with internal thermal overload protector and mechanical brake. Motor mounted with sound-absorbing fixtures. Left hand motor location only. Preset, accessible limit switches. J-box inside case accessible via 22 ga. steel cover plate. Entire roller and drive assembly easily removable through bottom of case.

Roller to be 6" OD x 1/8" wall steel tube. Roller brackets to be painted white and to have double row radial ball bearings. Viewing surface to be GREENGUARD Gold certified Matt White XT1000V (1.0 gain), with black masking borders. Each side of surface to have tab-guide cable system for even lateral tension and flat surface. Bottom of surface supported and masked by black extruded aluminum dowel weighted to apply proper vertical tension. Top of viewing surface masked by 12" black drop (standard). Flame and mildew resistant. Viewing surface is certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit [ul.com/gg](http://ul.com/gg).

Case constructed of extruded aluminum. Bottom of case fully enclosed except for slot allowing fabric passage. Bottom closure panel shall be extruded aluminum, finished white, and may be removed manually for access to roller and drive unit. Closure panel shall be held in place by screw and bracket at each end of case. Aluminum endplates with integrated steel brackets for suspended mounting shall be fastened to extruded case with thread-cutting screws. Eyebolts shall be provided for use in hoisting screen. Case support brackets shall be welded steel channel, riveted to exterior of case.

Three-position control switch (es) shall stop or reverse screen at any point. Controls to be furnished complete with cover plate.

Entire unit certified by Underwriters' Laboratories, Inc. for the U.S. and Canada. Suitable for use in environmental air space in accordance with Section 300-22 (c) of the National Electrical Code, and Sections 2-128, 12-010 (3) and 12-100 of the Canadian Electrical Code, Part 1, CSA C22.1. U.S. Patent No. 6,873,461.



### Select Case Color:

- White (standard)
- Black (optional)

### Select Viewing Surface:

- Matt White XT1000V (1.0 gain)
- Grey XH600V (0.6 gain)
- Pure White XT1300V (1.3 gain)
- CineFlex CH1200V (1.2 gain)
- CineFlex White XT700V (.7 gain)
- ClearSound Perf XT900V (.9 gain)
- TecVision XH700X Grey (0.7 gain) Certified
- TecVision XH800X UST ALR (0.8 gain) Certified
- TecVision XH900X ALR (0.9 gain) Certified
- TecVision MS1000X ALR (1.0 gain) Certified
- TecVision CS1000X ALR (1.0 gain) Certified
- TecVision CS1200X ALR (1.2 gain) Certified
- TecVision XT1000X White (1.0 gain) Certified
- TecVision XT1100X White (1.1 gain) Certified
- TecVision XT1300X White (1.3 gain) Certified
- TecVision XT1600X White (1.6 gain) Certified
- TecVision XT1800X White (1.8 gain) Certified
- TecVision CS1000X ALR NanoPerf (1.0 gain) Certified
- TecVision CS1200X ALR NanoPerf (1.2 gain) Certified
- Rear Projection Surface: Optional
- Other \_\_\_\_\_

### Select Motors and Controls:

#### Standard Voltage Motor and Control Options:

- 110-120V AC (standard)

**Please Note:** These motors come with one 110V-120V AC 3-position wall switch (silver wall plate with black rocker).

- \_\_\_\_\_ Total number of 110-120V AC switches (operate independently)
- Substitute white switch(es) for silver wall plate with black rocker
- Optional Key Operated Switch
  - Power Supply Key Switch (On-off)
  - 3-Position Key Control
  - 3-Position Switch with Hinged Key-Locking Coverplate

#### Low Voltage Motor and Control Options:

- External LVC-IV

**Please Note:** Select Control Options for Low Voltage from below.

- 24 Volt 3-Button Switch Number of 24V switches: \_\_\_\_\_
- Radio Frequency Remote Control (only with 24v)
- Infrared Remote Control (only with 24v)
- Optional Key Operated Switch
  - Power Supply Key Switch (On-off)
  - 3-Position Switch with Hinged Key-Locking Coverplate

### OPTIONS:

Wall Mount Bracket Kit: Kit includes two structural steel brackets and hardware to attach brackets to case. Hardware for mounting to wall structure by others.

Endcap Ceiling Tile Flange Kit: Extruded aluminum, finished white. Attaches to endcaps. Each kit contains two (2) flange pieces and hardware for attaching trim flanges to endcaps.

Ceiling Tile Flange for Front of Case: Each kit includes 12" extruded aluminum, finished white. Attaches to front of case. Hardware for attachment to case included.

**PATENT INFORMATION:** available at [www.draperinc.com/legal/patents](http://www.draperinc.com/legal/patents)  
**DOWNLOADABLE 3-PART SPECIFICATIONS:** available at [www.draperinc.com](http://www.draperinc.com).

**Please note:** Dimensions of rollers, operators and hardware at manufacturer's discretion.

### Optional Accessories

- Additional Drop \_\_\_\_\_ (Beyond standard 12")
- Total Drop \_\_\_\_\_ (Standard 12" + Additional drop)
  - Black (standard)
  - Same color as viewing surface (Total screen height cannot exceed 20'; extra drop increases length of case)
- Wall Mount Bracket Kit
- Endcap Ceiling Tile Flange Kit (2 per kit)
- Ceiling Tile Flange for front and/or rear of case (12" lengths)

\_\_\_\_\_ Total number of 12" lengths needed

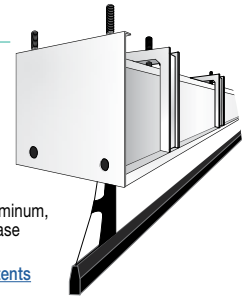
### Select Motor Location:

- Left end (standard)
- Right end

### Dimensions & Data

Nom. Diag.	Image Area	Dowel Length	Case Length	Net Wt. (lbs.)	Qty.
<b>16:10 Format</b>					
234"	124" x 198"	214 1/2"	220 1/4"	395	
278"	147" x 236"	254 1/4"	260"	460	
307"	162" x 260"	280 1/4"	286"	500	
335"	177" x 284"	306 3/8"	312 1/8"	545	
<b>HDTV Format (16:9)</b>					
227"	111" x 198"	212 7/8"	218 5/8"	390	
270"	133" x 236"	254 1/4"	260"	455	
300"	146" x 260"	278 1/4"	284"	495	
324"	160" x 284"	304 1/4"	310"	535	
<b>NTSC Video Format (4:3)</b>					
250"	148" x 198"	216 1/4"	222"	400	
25'	177" x 236"	258 3/8"	264 1/8"	470	
27' 6"	194" x 260"	284 5/8"	290 3/8"	515	
30'	212" x 284"	310 1/2"	316 1/4"	560	
Size H x W	Dowel Length	Case Length	Net Wt. (lbs.)	Qty.	
<b>AV Format</b>					
13'6" x 18'	236 1/4"	242"	435		
18' x 18'	242 1/2"	248 3/4"	455		
15' x 20'	262 3/8"	268 1/8"	475		
11' x 22'	280 1/2"	286 1/4"	495		
16'6" x 22'	290 1/2"	296 1/4"	525		
12' x 24'	306 1/4"	312"	535		
18' x 24'	314 1/2"	320 1/4"	565		
<b>Custom Size</b>					

Case Dimensions 13 3/4" high x 12" deep. Optional wall mounting brackets extend 1 3/4".



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PROJECT: \_\_\_\_\_

ARCHITECT: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

SUPPLIER: \_\_\_\_\_

DATE: \_\_\_\_\_ REVISED: \_\_\_\_\_

# Paragon V

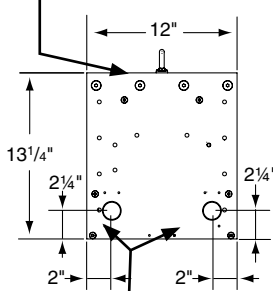
Large Electrically Operated Projection Screen With Motor-In-Roller

## Dimensions

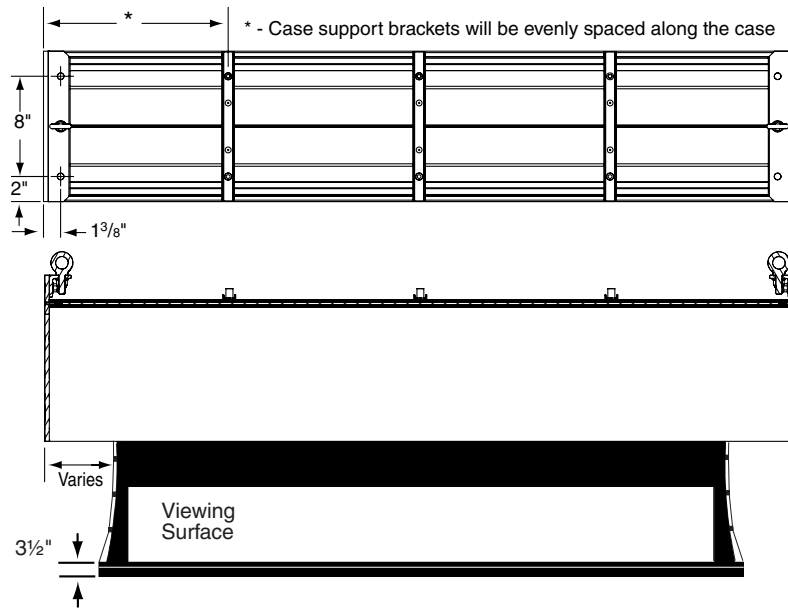
Case Width	No. of Intermediate Brackets
< 96"	0
> 96" and < 180"	1
> 180" and < 240"	2
> 240" and < 346"	3

Brackets are equally spaced from each other and each end. For example, if the case length is 202", then each of the two brackets will be placed approximately 67.33" from each end (with 67.33" between them).

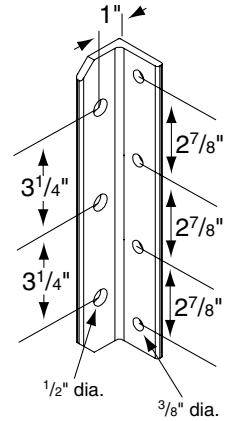
Eyebolt, 1/2"-13 THD x 1 1/2" LG, Min. workload limit 2400 Lb.



1 1/4" diameter electrical knockouts (2 per side)



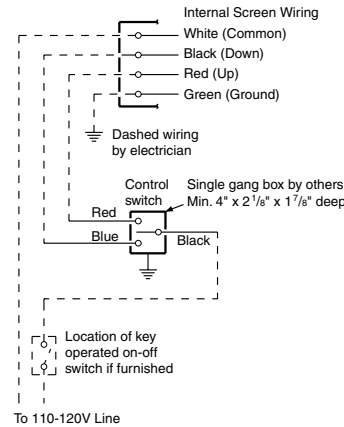
### Optional Wall Mounting Bracket



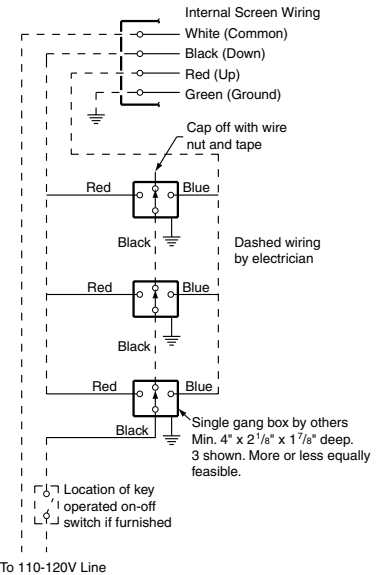
**\*Please Note:** Optional wall brackets add 1 1/4" per bracket to case length. Wall mounting bracket hole location is 1" from end of case.

## Wiring Diagrams

### Single Station Control

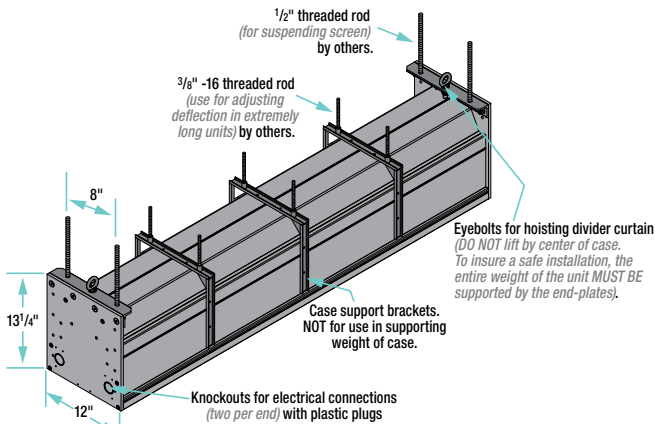


### Multiple Station Control



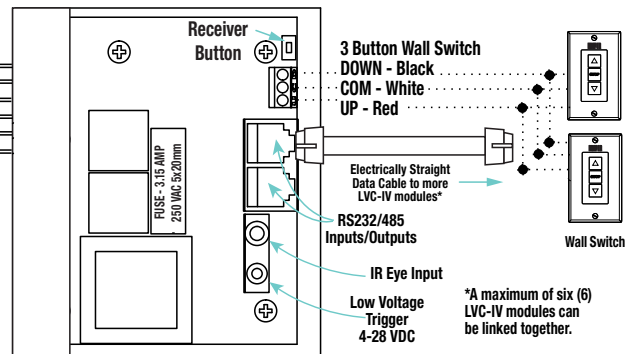
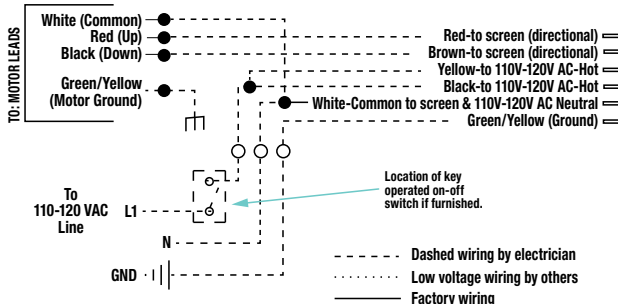
## Methods of Installation

Paragon/Series V cases longer than 300" require special handling.



## Low Voltage, IR Remote, RF Remote, Serial or Network Control (LVC-IV) (External Only)

### INTERNAL SCREEN WIRING



\* For more information and wiring diagrams for low voltage multiple motors and network communication, please see wiring diagrams supplied with individual items.