

# Display Mounting Options

## Introduction

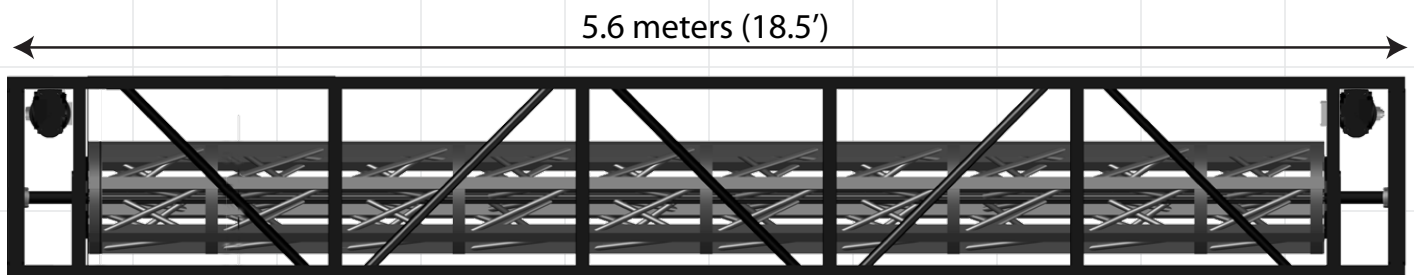
Pix<sub>2</sub>o is proud to offer multiple innovative and conventional mounting methods allowing the user to aggregate our VideoBlades™ into display configurations suitable for any application. Our emphasis is on the VideoReel™ family of mounting and deployment systems, as we believe these offer the most compelling advantages for design, production and supply. However, each of our mounting configurations offers unique advantages. This approach allows design and production to tailor the display assembly to realize their vision and match their logistical realities. All of our display mounting systems:

- Provide the standard docking interface to our VideoBlades™. As a result, all mounting systems are architected to support all resolutions from 6mm through 37mm. The docking interface provides both the electrical connections and the required alignment for the VideoBlades.
- Do not transfer any of the display load to our VideoBlades thus allowing quick and easy removal of blades without impacting alignment of the screen.
- Power and Video feeds are integrated into all mounting systems minimizing the number of connections which must be made on a daily basis. Some configurations literally require only AC and DVI connections to be fully functional.
- Designed to a 10:1 safety factor.
- Weatherproof. This applies to the selection of materials as well as the sealing of all electrical connections.
- Support front, rear or a combination of front and rear access for VideoBlade installation.
- Pix<sub>2</sub>o's VideoReel family of systems integrate all storage and transport packaging requirements eliminating the need for road cases or carts.

## Configurations

### VideoReel SkyRoll™

- The VideoReel SkyRoll is an integrated, motorized video deployment and storage system that deploys by unrolling the screen downward. The SkyRoll is comprised of:
  - Square truss for supporting the drum, rigging, transport and interface.
  - Motorized drum that acts as a shaft for the video display to roll onto. The drum has been engineered for minimal angular and horizontal deflection to maintain the integrity of the display. The drum houses all of the data and power distribution assemblies.
  - Hinge strings for mounting the VideoBlades.
- The SkyRoll is located at the top of the display and the mounted VideoBlades™ literally play out of the roll. Deployment is controlled by motors. Manual motor control is standard, optionally the motor can be pre-programmed to move to set points via commands from either BladeRunner™ or via DMX.
- SkyRoll is available in 2, 3, 4, 5, 6, and 8 meter widths (6.6', 9.8', 13.1', 16.4', 19.7' and 26.2') and can support displays as tall as 13 meters (42.6')
- For Imagen applications with displays up to 6 x 4.5 meters (19.7'x14.8'), SkyRoll 32™ is packaged into a 32" wide box truss. For displays over 6 meters wide or taller than 4.5 meters, SkyRoll 48™ is packaged into a 48" wide box truss.



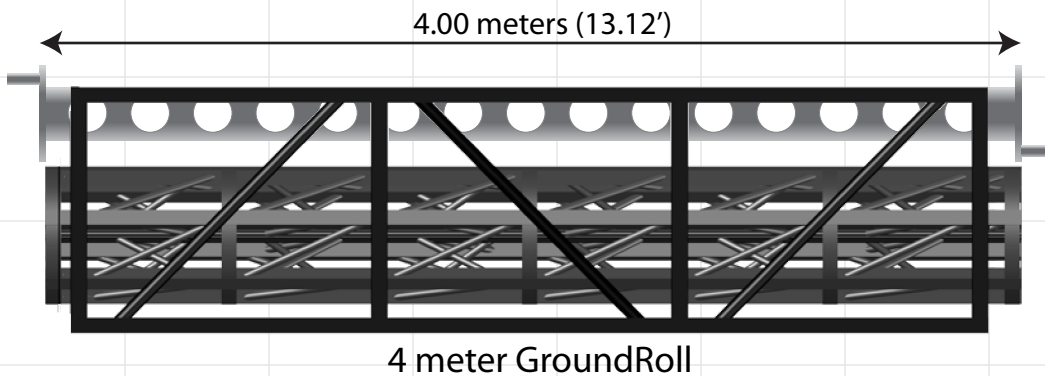
5 meter SkyRoll 32

### Available SkyRolls:

Display Width	SkyRoll 32			SkyRoll 48		
	16:9	4:3	Length meters (feet)	16:9	4:3	Length meters (feet)
2 meters				✓	✓	2.6 (8.5)
3 meters				✓	✓	3.6 (11.8)
4 meters	✓	✓	4.4 (14.4)	✓	✓	4.6 (15.1)
5 meters	✓	✓	5.6 (18.5)	✓	✓	5.7 (18.7)
6 meters	✓	✓	6.6 (21.6)	✓	✓	6.8 (22.3)
8 meters				✓	✓	8.7 (28.5)

## VideoReel, GroundRoll™

- Conceptually, GroundRoll is SkyRoll turned upside down. In reality though, GroundRoll is a unique design and offers some of its own advantages. The GroundRoll system is comprised of:
  - Square truss structure for supporting the drum and transport.
  - Drum which acts as a shaft for the video display to roll onto. As the power for deploying the screen is provided by external chain motors, a small torque motor is required to take up the slack as the display is returned to the GroundRoll. As this drum is supported along its length, the engineering on the drum itself is simplified.
  - Header Bar at the top of the display carries the load of the display when deployed and houses the data and power distribution assemblies. The header bar also has provisions to connect to the header bar of an adjacent GroundRoll, enabling seamless joining of video displays.
- GroundRolls can be seamed together to form seamless displays of unlimited width
- GroundRoll is available in 2, 3, 4, and 5 meter widths (6.6', 9.8', 13.1' and 16.4') and can support displays as tall as 13 meters (42.6')
- For displays up to 4.5 meters (14.8') tall, GroundRoll 32™ is packaged into a 32" wide box truss. For displays taller than 4.5 meters, GroundRoll 48™ is packaged into a 48" wide box truss.



### Available GroundRolls:

Display Width	GroundRoll 32			GroundRoll 48		
	16:9	4:3	Length meters (feet)	16:9	4:3	Length meters (feet)
2 meters				✓	✓	2.0 (6.6)
3 meters				✓	✓	3.0 (9.8)
4 meters	✓	✓	4.0 (13.1)	✓	✓	4.0 (13.1)
5 meters	✓	✓	5.6 (18.5)	✓	✓	5.0 (16.4)

## Touring Frames

For applications requiring a more conventionally built video Screen Pix<sub>2</sub>o is pleased to offer our touring frames. These lightweight, yet rigid frames can be used to build displays from the ground up using our integrated truss supports or can be top hung using our available header bar. All connections to the blade are integral to the frame. The frame has a single input power/data connection from the frame. There is also a single power/data output connection to a subtended frame. The frames are available in 0.75x1m and 1.5x1m sizes. They can be used to build walls up to 10 meters tall. The touring frames lock together with standard coffin locks utilizing 5/16 Allen keys. Alignment is guaranteed through the use of eight alignment pins and sockets per frame.

