



NAVITAR[®]
Projection Optics

NuView[®] and ScreenStar[®] Lenses



Expanded Capabilities

Navitar's **ScreenStar** wide-angle and long-throw conversion lenses sit in front of a projector's standard lens to increase picture size or throw distance by 20-50%.

These lenses **decrease costs** by reducing the number of projectors needed for installations, and allowing users to select more basic projectors.



Standard, Mini, HD ScreenStar Lenses

Available Lenses

Part #	Description	Image Conversion		
SSW065	0.65X Wide-angle converter	50%	Larger	Standard
SSW08	0.8X Wide-angle converter	25%	Smaller	
SST120	1.20X Telephoto converter	17%	Smaller	
SST150	1.50X Telephoto converter	33%	Smaller	
SST300*	3.00X Telephoto converter	67%	Smaller	Mini
SSC065	0.65X Mini wide-angle converter	50%	Larger	
HDSSW08	0.8X HD Wide-angle converter	25%	Larger	HD
HDSSW065	0.65X HD Wide-angle converter	50%	Larger	

* Please call for availability.

Projector Options

Navitar offers lenses compatible with numerous projector makes and models.

Please contact your sales representative for more information.

Mounting Options

Stabilizing Leg

Allows for placement of ScreenStar lens in front of the prime lens of the projector. *Included with all models except the SST300.*

Table Mount

Permits placement of lens in front of projector for easy adjustment of height and tilt. *For all models except the SST300.*

Ceiling Mount

ScreenStar ceiling adapter mounts are available directly from Chief Manufacturing or Premier Mounts.

Custom Mounts

For high-volume OEM orders, Navitar's engineering team can design a custom mount. *Please contact us to discuss your needs.*



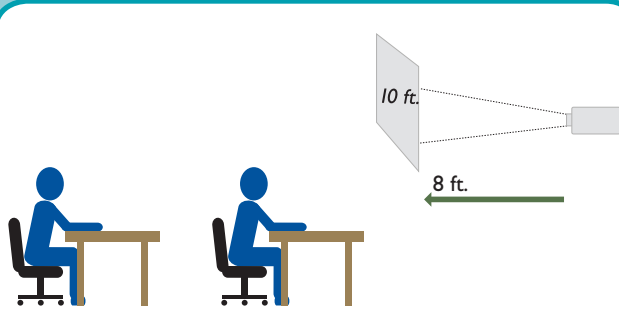
Easy Set Up

No matter what image size or throw distance you require, Navitar has a solution.

NuView Lenses

Larger Image

Wide-Angle Lens
Rear projection example.

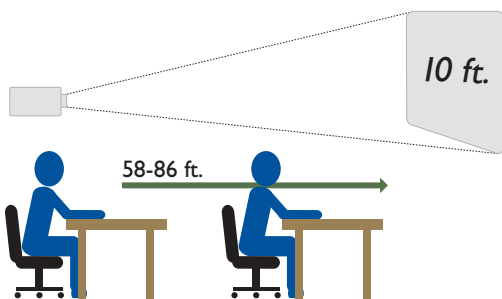


Wide-angle fixed focal length lenses allow you to:

- Use the projector closer to the screen.
- Produce a larger image at your present working distance.
- Shorten present working distance and increase image back to the original size.

Longer Throw Distance

Long Throw Lens
Front projection example.



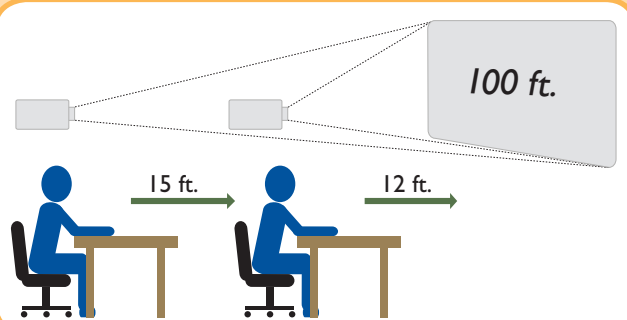
Long-throw zoom lenses allow you to:

- Increase the working distance and place projector farther away from the screen.
- Choose a variety of projection distances and image sizes by rotating the lens.

ScreenStar Lenses

Smaller Image

Telephoto Conversion Lens
Same image size, longer throw distance.

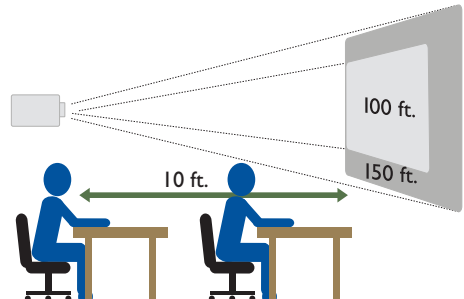


Telephoto conversion lenses allow you to:

- Place projector farther from screen.
- Maintain the same image width.
- Reduce picture size while projecting from the same distance.

Shorter Throw Distance

Wide-Angle Conversion Lens
Larger image, same throw distance.



Wide-angle conversion lenses allow you to:

- Increase image size from the same projection distance.
- Keep the same size image while moving projector closer to the screen.

Partnering with Navitar

Navitar's ultimate goal is to deliver unsurpassed, personalized optical solutions in a timely, cost-effective manner. Your Navitar team will partner with you from inception to completion, and be available to answer technical questions and offer expertise along the way.



Navitar Offers

- Lifetime Warranty
- Innovative, Cost-Effective Optical Solutions
- 45-Day Evaluation Program
- Personalized Customer Support
- Lenses Compatible with Numerous Projectors

Learn more about us at navitar.com

Exciting Applications



- Corporate
- Education
- Home Theaters
- MRI and fMRI
- Museums
- Planetariums
- Praise and Worship
- Rental and Staging
- Tradeshows and Events



Quick Replacement

Navitar's **NuView lenses** replace the projector's existing prime lens to produce **bright, sharp images**.

We offer a **wide selection** of off-the-shelf and custom lenses suited to numerous applications, screen sizes and projection distances.

NuView Long-Throw Zoom Lenses

- Increase projection distance and move projector farther from screen.
- Easily choose projection distance and image size by rotating lens.

NuView Wide-Angle Fixed Focal Lenses

- Ideal for use in rear screen applications.
- Use for front projection applications to produce much larger images.



NuView Lenses

NuView Projection Chart

Navitar's long-throw zoom (MCZ) and fixed focal length (MCL) replacement lenses are listed below with focal lengths (mm and inches) and distance-to-width ratios for compatible projector panel sizes.

Full Navitar part numbers include a three-digit projector-specific prefix. Please visit navitar.com or contact your sales representative for a complete list of available lenses.

Part #	Focal Length		Distance-to-Width Ratio by Panel Size							
	(mm)	(inches)	0.7 DLP	0.8 LCD	0.95 DLP	1.2 LCD (1080P)	1.22 LCD (WXGA)	1.3 LCD	1.64 LCD (1080P)	1.8 LCD
Long Throw										
MCZ275	50-70	2.0-2.75	3.5-4.9:1	3.0-4.3:1	–	–	–	–	–	–
MCZ500	70-125	2.75-5.0	4.9-8.8:1	4.3-7.7:1	–	2.9-5.1:1	–	2.7-4.8:1	–	–
MCZ125	70-125	2.75-5.0	–	–	–	–	2.6-4.6:1	–	1.9-3.39:1	1.9-3.4:1
MCZ729	115-203	4.5-7.99	–	–	5.96-10.5:1	–	–	–	–	–
MCZ537	117-199	4.6-7.8	–	–	–	–	4.3-7.4:1	–	3.1-5.4:1	3.2-5.4:1
MCZ087	132-220	5.2-8.7	9.3-15.4:1	8.1-13.5:1	–	5.4-9.0:1	–	5.0-8.3:1	–	–
MCZ900	150-230	6.0-9.0	10.7-16.1:1	9.2-14.1:1	–	6.1-9.4:1	–	5.8-8.6:1	–	–
MCZ151	184-314	7.2-12.4	–	–	–	–	6.8-11.6:1	–	5.0-8.4:1	5.0-8.6:1
MCZ123	187-312	7.4-12.3	–	–	–	7.7-12.8:1	–	7.1-11.8:1	–	–
Wide Angle										
MCL1625	16	0.63	1.2:1	1.0:1	0.8:1	0.7:1	–	–	–	–
MCL2125	21	0.83	1.5:1	1.3:1	1.1:1	0.9:1	–	0.8:1	–	–
MCL1028	25.4	1.0	1.8:1	1.6:1	1.3:1	1.0:1	–	0.9:1	–	–
MCL012	30	1.2	2.1:1	1.8:1	1.5:1	1.2:1	–	1.2:1	–	–



Projection Solutions

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