



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
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
SSC065	0.65X Mini wide-angle converter	50% Larger
HDSSW08	0.8X HD Wide-angle converter	25% Larger
HDSSW065	0.65X HD Wide-angle converter	50% Larger

Standard

Mini

HD

Projector Options

Navitar offers lenses compatible with numerous projector makes and models.

Please contact your sales representative for more information.

* Please call for availability.

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.*



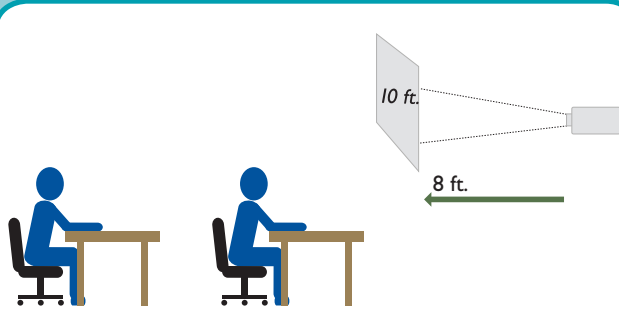
Easy Set Up

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

NuView Lenses

Larger Image

Wide-Angle Lens
Rear projection example.

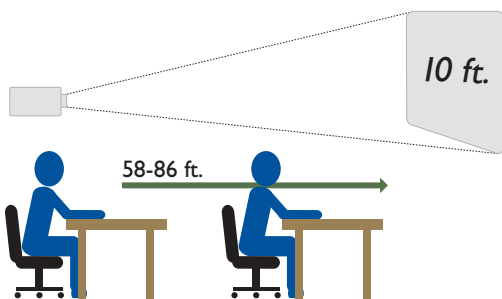


Wide-angle fixed focal length lenses allow you to:

- 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.



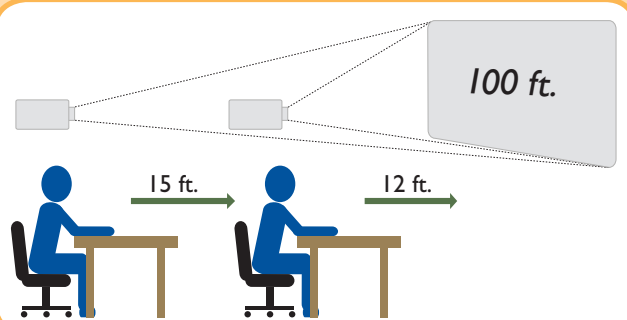
Long-throw zoom lenses allow you to:

- 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.

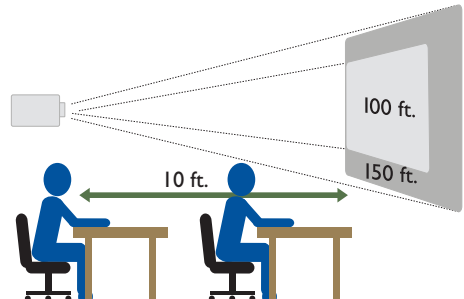


Telephoto conversion lenses allow you to:

- 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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