

Theia Lenses

MY110M

Theia's 110 series lenses provide ultra wide field of view without distortion. The lenses incorporate Theia's patented Linear Optical Technology® which allows an ultra wide field of view without barrel distortion found in other wide angle lenses not including Theia's technology.

This rectilinear design allows increased resolution at the edges of the image thus increasing the probability of detection in security systems. The rectilinear design also eliminates the dewarping software requirement for many machine vision applications, improving MV system performance.

Similar to Theia's other lenses, the 110 series is a high quality lens designed to allow the installer to take full advantage of the high resolution of HD and multi megapixel cameras. The lens can be used on cameras up to five megapixel resolution giving a crisp image from edge to edge.

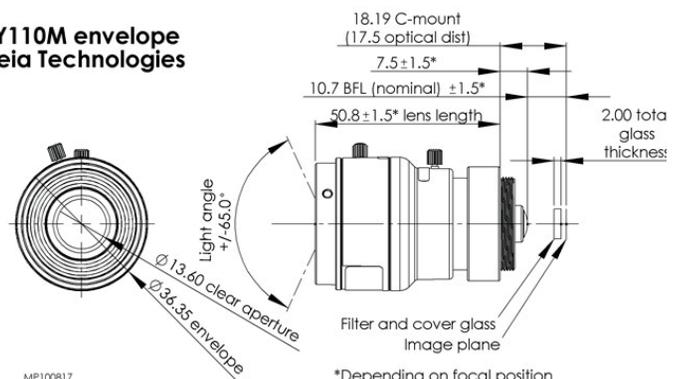
The lens is IR corrected for use with true Day/Night cameras. This IR correction focuses IR light from artificial illumination at the same plane as the visible light allowing the image to remain in focus when the Day/Night camera switches to night mode. Unlike lenses without IR correction, the night image will not be out of focus when using IR illumination.



MY110M	
Lens Model	MY110M
Iris Type	Manual iris
Focal Length	1.68mm using Linear Optical Technology®
IR Correction	IR corrected visible and IR focal planes are coplanar
Mount Type	C-mount
F/#	F/1.8 to closed
Resolution	Up to 3 megapixels (can be used on 5MPix cameras)
Distortion	<1% barrel at image edges (for 1/3" sensor)
Minimum Focus	0.5m
Pan Focus Distance	2.0m to ∞
Lens Size	Ø36mm x 56mm
Lens Weight	110g (approx)

Lens Field of View			
Sensor Size	1/4"	1/3"	1/2.5"
Sensor Diagonal	Ø4.5mm	Ø6.0mm	Ø7.2mm
Sensor Format	4x3	4x3	4x3
Field of view (H)	94 °	110 °	120 °
Field of view (V)	78 °	94 °	104 °
Field of view (D)	107 °	122 °	130 °

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Theia Lenses

MY125M

Theia's 125 series lenses provide the widest field of view without distortion available in the market. The lenses incorporate patented Linear Optical Technology® which allows an ultra wide field of view without barrel distortion unlike other wide angle lenses not including Theia's technology.

This rectilinear design allows increased resolution at the edges of the image thus increasing the probability of detection in security systems. The rectilinear design also eliminates the dewarping software requirement for many machine vision applications, improving MV system performance.

Similar to Theia's other lenses, the 125 series is a high quality lens designed to allow the installer to take full advantage of the high resolution of HD and multi megapixel cameras.

The lens can be used on cameras up to five megapixel resolution giving a crisp image from edge to edge.

Although the 125 series of lenses is not IR corrected, it can be used on Day/Night cameras in some circumstances. If the camera is forced to Day-only mode or if there is no artificial IR illumination, the 125 series of lenses will work well.



MY125,	
Lens Model	MY125M
Iris Type	Manual iris
Focal Length	1.28mm using Linear Optical Technology®
IR Correction	IR corrected visible and IR focal planes are coplanar
Mount Type	C-mount
F/#	F/1.8 to closed
Resolution	Up to 5 megapixels
Distortion	<1% barrel at image edges (for 1/3" sensor)
Minimum Focus	0.5m
Pan Focus Distance	2.0m to ∞
Lens Size	Ø36mm x 59mm
Lens Weight	150g (approx)

Lens Field of View			
Sensor Size	1/4"	1/3"	1/2.5"
Sensor Diagonal	Ø4.5mm	Ø6.0mm	Ø7.2mm
Sensor Format	4x3	4x3	4x3
Field of view (H)	109 °	125 °	135 °
Field of view (V)	93 °	109 °	119 °
Field of view (D)	122 °	137 °	141 °

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