

## IndigoVision selects Theia's ultra wide, undistorted lens as an option on their new fixed HD IP Camera



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IndigoVision now offers Theia Technologies' SY110 Fixed Focal Megapixel Lens as one of five lens options for use with their new 11000 high-definition fixed IP camera product line. Theia's 1.7 mm lens provides up to 110 degrees horizontal field of view (HFOV) with the 1/3" progressive scan HD sensor camera. The ultra wide, undistorted field of view provides the opportunity to cover more area with a single camera, potentially reducing the overall cost of system ownership.

According to Alex Swanson, Product Manager at IndigoVision, "Theia's megapixel resolution lenses complement our high-definition, one megapixel, day/night IP camera. Their ultra wide, undistorted field of view enables the greater coverage provided with our HD solutions. We believe this will add a valuable option for our customers."

Theia's patented Linear Optical Technology® enables an image with less than 1% barrel distortion. By contrast, most wide angle lenses above 80 degrees horizontal field of view produce an image with noticeable levels of barrel distortion, also known as fisheye distortion. Distortion in typical wide angle lenses compresses data at the edges of the image, causing a loss of information, which translates into degraded image resolution in those areas. Theia's technology doesn't compress or lose information, but instead maps the subject over more pixels providing improved image resolution at the image edge and increasing the chance of recognition of individuals and objects.

Theia's lenses correct barrel distortion in the optics of the lens without the use of de-warping software for a faster, real time solution. Image information lost due to the barrel distortion of typical wide angle lenses cannot be recovered even with the use of de-warping software.

And the SY110 lens is IR corrected so maintains its crisp, clear megapixel resolution image in IR illumination making it a perfect accessory for IndigoVision's day/night camera, with removable infrared-cut filter. Theia's ultra-wide angle lens with IndigoVision's HD IP cameras broaden the possibilities by further enhancing the high-definition images provided through IndigoVision's camera technology.

To learn more about the SY110 lens, visit [www.TheiaTech.com/products.html](http://www.TheiaTech.com/products.html).

#### *About Theia*

*Theia Technologies provides high quality megapixel lenses for security and machine vision applications. Their patented, award winning Linear Optical Technology® corrects barrel distortion and improves image resolution over typical lenses. Theia lenses are designed and marketed from the US, and manufactured to ISO 9001 standards. Theia also provides optical engineering and custom design services. Theia has several issued and pending US and foreign patents for lens technologies. For more information, contact Andrea Iniguez, (503) 570-3296, or visit [www.TheiaTech.com](http://www.TheiaTech.com).*

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#### *About IndigoVision*

*IndigoVision is a leading manufacturer of end-to-end IP video security solutions for airports, ports, rail, traffic, cities, retail, banking, mining, education, casinos, police, prisons and government. These enterprise class systems improve organizations' operational efficiency, enhance public safety and enable timely emergency response. IndigoVision operates from six regional centers in New Jersey, Sao Paulo, Singapore, Dubai, London and Edinburgh, each with training facilities, demo suites and local stocking. With sales and support staff in 23 countries, IndigoVision partners with some 300 authorized system integrators to provide local system design, installation and service to end users. For more information, visit [www.indigovision.com](http://www.indigovision.com).*