



## SY110

### Megapixel Lens Ultra-wide - Day/Night - No Distortion

#### Features:

- Ultra wide horizontal field of view up to 120° provides greater security
- Patented Linear Optical Technology™ enables no barrel distortion for maximum resolution
- IR corrected for Day/Night cameras
- Supports multi megapixel resolution cameras for demanding applications
- Near and far objects continuously in focus without lens adjustment
- Available with CS-mount and with auto or manual iris

These lenses have been specially developed for MegaPixel cameras using Linear Optical Technology® which allow the creation of an ultra wide field of view without distortion. This distortion correction is done optically in the lens without the need for any additional imaging software.

Some examples of applications where these lenses could be utilised are:

Universities & Schools  
External Car Parks  
Parking entry points  
Train & Tram Platforms  
Power stations  
Warehouses  
Retail / Point of Sale areas

# SY110

## Technical Specifications

**Lenses** SY110A CS-mount DC-autoiris lens  
SY110M CS-mount manual iris lens

Sensor size	1/4"	1/3"	1/2.5" *
Field of view (H)	94°	110°	120°
Field of view (V)	78°	94°	104°
Field of view (D)	107°	122°	130°

**Lenses** SY110A CS-mount DC-autoiris lens  
SY110M CS-mount manual iris lens

Focal length	1.67mm
F/#	F/1.8 to closed
Resolution	Multi-Megapixel
Distortion (H)	<1% barrel (for 1/3" sensor)
Pan-focus distance	10cm to ∞

\*Some vignetting may occur using a 1/2.5" sensor depending on sensor mechanical tolerance.



120° Without Distortion



Typically wide angle lens

## Ordering Information

ADSY110A	1.7mm ultra wide angle MEGApix auto iris CS mount Day/Night IR corrected lens. Incorporates patented Linear Optical Technology which allows a very wide field of view without barrel distortion common in other wide angle lenses (Typically <1% distortion). Suitable for cameras of up to 3MP and for use with sensors up to 1/2". Note that images from 1/2" cameras should be cropped vertically to eliminate evidence of vignette (dark corners).
ADSY110M	1.7mm ultra wide angle MEGApix manual iris CS mount Day/Night IR corrected lens. Incorporates patented Linear Optical Technology which allows a very wide field of view without barrel distortion common in other wide angle lenses (Typically <1% distortion). Suitable for cameras of up to 3MP and for use with sensors up to 1/2". Note that images from 1/2" cameras should be cropped vertically to eliminate evidence of vignette (dark corners).

---

### For further information on how we can help you, contact your local ADT office:

**Austria - ADT Austria**

Tel: 662 45 24 60 11  
Website: www.adteurope.com

**Belgium - ADT Security Services SA,**

Tel: 02 481 08 00  
Website: www.adt-belgium.be

**Czech Republik - ADT Security Projects**

Tel: +420 239 043 762  
Website: www.adt-sc.cz

**Germany - ADT Deutschland GmbH**

Tel: 0800 7070 238  
Website: www.adt-deutschland.de

**Ireland - ADT Fire and Security plc**

Tel: 1620 5888  
Website: www.adt.ie

**Italy - ADT Italy**

Tel: 02 81806 1  
Website: www.adtitaly.com

**The Netherlands - ADT Security Services B.V.**

Tel: 010 258 4848  
Website: www.adt-security.nl

**Portugal - ADT Portugal**

Tel: 217 510 560  
Website: www.adt-pt.com

**Russia - ADT Russia**

Tel: +7 (495) 661 2094  
Website: www.adtrussia.com

**Spain - ADT Servicios de Seguridad SL**

Tel: 902 444 440  
Website: www.adt-es.com

**Switzerland - ADT Switzerland**

Tel: 0848 40 08 01  
Website: www.adt-ch.com

**United Kingdom - ADT Fire & Security plc**

Tel: 0800 010 999  
Website: www.adt.co.uk

