

# VisionNet DVR Product CCTV Lens

Digital  
Security Surveillance

## Introduction of Lens

### Main Features

Lens are the most important component of CCTV Cameras, typical lens varied with Focal Length, Aperture and Angle of the Field of view. Selecting the appropriate lens is the critical step in constructing a complete surveillance system.

### Focal Length and Angle of the Field of View

Lens with a shorter focal length monitor a nearer object more clear than that with longer focal length. In contrast, lens with longer focal length can take a more distinct image than that with shorter focal length. However, the angle of the Field of View is greater with a short focal length and will show a wider picture. The angle of the Field of View is smaller with a long focal length and will show a narrower picture. Here are the example of lens with different focal length.

Angel of Field of View (mm) H x V	11.2x8.4	21.9x16.43	36.5x27.4	48.1x35.9	95.6x72x6
Focal Length	25mm	12mm	8mm	6mm	2.8mm
					
					

Tree at 350m away

Trucks at 50m away

### Adjustment of Aperture

As CCTV Lens do not like human eyes, they need appropriate aperture size to take optimum light level for the exposure of image. There are three kinds of lens available: Fixed Manual monofocal lens, Manual monofocal lens, and Auto iris monofocal lens.

#### Fixed Manual Monofocal Lens

- Iris control is fixed
- Widely used for indoor purposes
- Inexpensive

#### Manual Monofocal Lens

- Manual adjustment needed for iris control
- Widely used for indoor purposes
- Little expensive than Fixed one

#### Auto iris Monofocal Lens

- Adjustment of iris is automatic
- Widely used for in/out door purposes
- More expensive than Fixed one



**Sales Hotline: 2714 1026**  
**URL: [www.VisionNet.com.hk](http://www.VisionNet.com.hk)**

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