

IR zoom lens with automatic temperature-correction: a focused picture at all times

NEW

Zoom lens for surveillance, Y33Z15R SUPER DAY&NIGHT IR ZOOM LENS

As lenses are susceptible to thermal expansion, the focusing changes with temperature outside – especially the IR lenses built with materials with a high coefficient of thermal expansion.

Thermal Compensation System (TCS) automatically corrects focusing according to the changes in the temperature outside. No need to adjust the focus manually.



The vast difference with an IR zoom lens

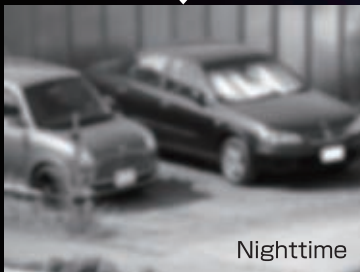


Daytime

Parking lot

The lens is most effective in:

- Highways
- Railroads
- Airports
- Harbors
- Forests
- Factories



Nighttime

Non-IR zoom lens



Nighttime

IR zoom lens

Six main features of the product:

(1) Optical correction design + SD glass

IR lenses by Yamano Optical are designed to be always in focus from the visible light to the near-infrared. The special SD glass we use has an even lower chromatic aberration than ED glass.

(2) Automatic Thermal Compensation System: TCS

(Patent applied in Japan and overseas)

In places with drastic yearly changes of temperature (-10 degrees C to 50 degrees C), workers adjust the back focus of the lens and the camera. Thermal Compensation System (TCS) can reduce personnel expenses and other costs.

(3) Auto Focus (AF) (United States Patent acquired)

We are the only company in the world offering auto focus zoom lenses for surveillance. We have perfected our know-how in the area of AF technology through our years of experience and knowledge in the field. Any product of the Y33Z15R series can be equipped with the AF functionality – one click away any time you need it.

(4) New Auto Iris Circuit

Easily coping with even the minutest changes in the mornings and the evenings, offering stable iris control at all times.

(5) Motorized Selectable Filter System: SFS

*Optional item

Upon request lenses can be equipped with an anti-fog filter, an ND filter, or another filter required. The filter mounted can also be switched on and off remotely.

(6) Can be controlled using RS-485/RS-232C

*Optional item

This option enables a more extensive control system. Scheduled for release in November, 2011.

Development, design, manufacture, sales and export of lens for CCTV, lens for FA, and lens for optical equipment.

Yamano®

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