CCTV Lenses with Heat Haze Reduction

An Industry First: Heat Haze Reduction

Pentax is introducing its PAIRⅡ series (Pentax Atmospheric Interference Reduction), featuring an industry first - Heat Haze Reduction. PAIRⅡ is the 2nd generation in the PAIR series which has received the ISC West 2010 Award ‘Best in Video Device’ award and we have now added further features to optimize the image quality. The product launch will be in January 2011.

Features:

1. Further advanced image optimizing functions: PAIRⅡ

   I. Heat Haze Reduction
   An industry first, the Heat Haze Reduction function is also built into the lens. By reducing the ‘shimmering’ effect in the image, the entire image gains clarity and increases efficiency of detecting moving objects. It also reduces noise caused by rain and other interfering objects.

   II. Image Stabilizer
   Image Stabilization is extremely effective for long distance surveillance that often contains high levels of vibration. PENTAX offers an electrical control method along with the lens’ characteristics, with less failure rate comparing to optical or mechanical methods.

   III. Backlight Compensation / Night Image Enhancement
   PAIRⅡ also offers Backlight Compensation and Night Image Enhancement as ‘add on’ to the compensation functions of camera side.

2. Heritage from PAIR : Fog Reduction & Auto Focus

   I. Fog Reduction
   Not only reducing the affect of liquid fog particles, it also reduces interference caused by solid particles such as smoke and sand. Pentax offers this unique function by maintaining the colour image, which is important for identifying the target, while the optical filter method only offers monochrome images by removing visible light. It also maintains the volume of light (brightness) as it does not reduce visible light. Fog reduction level is automatically adjusted and optimized, plus backlight/white balance compensation with Auto Focus brings up the entire image quality.

   II. Auto Focus
Auto Focus activated by mouse click, the average focusing speed is 4.5 seconds, the fastest Auto Focus speed in its class, which helps the user overcome the difficulty of finding the focus at the hyper telephoto range.

3. All-in-One
All functions are built into the lens, enabling a simple and more compact system installation without the need for additional devices.

4. User Friendly
User friendly in both operation and cost when compared to separate stand alone devices.

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