

# Press Information

**PAIR**

Pentax Atmospheric Interference Reduction

## An Industry First: Heat Haze Reduction

Essen, 05.10.2010 – PENTAX is introducing its **PAIR II** series (Pentax Atmospheric Interference Reduction), featuring an industry first - Heat Haze Reduction.

**PAIR II** is the 2<sup>nd</sup> 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.

### Product and Launch Date

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**Product: H55ZAME-F-PR02    1/2' C Mount 55x Motorized Zoom**

**Launch: January, 2011**

H55ZAME-F-PR02



### Features:

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#### 1. Further advanced image optimizing functions: **PAIR II**

##### 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

**PAIR II** 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.

More information: [www.pentax.eu](http://www.pentax.eu)

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### **About PENTAX:**

Pentax has over 50 years experience in the manufacture of CCTV and machine vision lenses. It's our goal to always offer our customers the best lens with which to meet the technical constraints of an application. Your system and our lenses ensure the best combination for you to supply a global market on a long term basis.

Within the PENTAX Group, the Security Systems Division is focused on the development, production and distribution of high-quality lenses for any application in security technology and machine vision.