

## **Panasonic LUMIX H-PS45175EK**

**ProdCode: PANHPS45175EK**

LUMIX G X Vario 45-175mm F4.0-5.6 ASPH Lens

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### **Features**

- 45-175mm
- 2 ED lenses
- New Premium Lens Brand “X”
- Digital Interchangeable Power Zoom Lens
- Multi-Actuator Floating Inner Focus System and Lens Construction
- Light Speed AF and Shortened Shutter Time Lag
- Nano Surface Coating Technology
- POWER O.I.S (Optical Image Stabilizer)

The LUMIX G X VARIO PZ 45-175mm/F4.0-5.6 ASPH./POWER O.I.S. (H-PS45175) is a new cutting-edge interchangeable lens with electric-powered zoom operation that complies with Micro Four Thirds System standard. The new premium lens brand “X” features superb image rendering for lifelike textures, crisp edge-to-edge contrast, and includes a unique Nano Surface Coating for minimal ghosts and flaring and natural atmospheres with remarkable transparency.

The industry’s first adoption of Multi-Actuator Floating Inner Focus System\* which

controls 3 lens groups separately by the individual actuator achieves downsizing in both size and weight. It also achieves high descriptive performance for resolution and contrast at entire zoom range 45-175mm (35mm camera equivalent: 90-350mm) without changing the overall length. In addition, the lens system features the inclusion of 2 ED lenses, which suppress chromatic aberration, contributing to high descriptive performance at entire zoom range.

Panasonic's Nano Surface Coating technology minimizes the reflection at entire visual light range (380nm-780nm) by applying the extra-low refractive index coating with nano-sized structure on the surface of the lens. It results in the super clear image with dramatic reduction of ghost and flare.

Adopting an inner focus system driven by a stepping motor, the superior optical design realizes outstanding smoothness to support the Light Speed AF of approx. 0.15 second\*\*. By speeding up the aperture control, shutter time lag is also shortened by approx. 20% compared with the LUMIX G VARIO 45-200mm /F4.0-5.6/MEGA O.I.S..\*\*\*

\* For a digital interchangeable lens as of August 26, 2011.

\*\* The time for focusing on the subject is measured with the DMC-GF3 to move the lens position to "2m" from "infinity" position at wide-end. Panasonic measurement method.

\*\*\* Measured with DMC-GF3. The time required to start exposure after the shutter button is fully pressed after the lens position is moved from "infinity" to "2m" at wide-end.

## Specifications

- **Closest Focusing Distance:** 0.9m / 3.0ft
- **Diagonal Angle of View:** 27.1°(Wide) to 7.1°(Tele)
- **Dimensions:** Length: Approx. 90mm / 3.5" (from the tip of the lens to the base side of the lens mount)
- **Filter Size:**  $\varnothing$ 46mm / 1.8"
- **Focal Length:** 45-175mm (35mm camera equivalent 90-350mm)
- **Geared Focus / Iris:** No
- **Lens Construction:** 14 elements in 10 groups (2 aspherical lenses , 2 ED lens)

- **Lens Type:** Telephoto
  - **Maximum Aperture:** F4.0(Wide) - F5.6(Tele)
  - **Maximum Diameter:** 61.6mm / 2.4"
  - **Maximum Magnification:** Approx. 0.2x / 0.4x (35mm camera equivalent)
  - **Minimum Aperture:** F22
  - **Mount Type:** MFT
  - **Nano Surface Coating:** Yes
  - **No. Diaphragm Blades:** 7 diaphragm blades
  - **Optical Image Stabilizer:** Yes
  - **Sensor Coverage:** Micro Four Thirds
  - **Weight:** 210g / 7.4oz (excluding lens cap and lens rear cap)
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## Need Further Support?

If you have any questions or require additional support regarding this product release, please do not hesitate to contact us. Our team is here to assist you with any inquiries or provide further information or marketing collateral as needed.

## Contact Us:

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