



## **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°(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:** 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)