



Panasonic LUMIX H-PS14042E

ProdCode: PANHPS14042EK

LUMIX G X Vario PZ 14-42mm F3.5-5.6 ASPH. POWER OIS Lens - Black

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Features

- New Premium Lens Brand "X" From LUMIX G Micro System
- Digital Interchangeable Power Zoom Lens
- Nano Surface Coating Technology
- Light Speed AF and Shortened Shutter Time Lag
- POWER O.I.S.(Optical Image Stabilizer)

The LUMIX G X VARIO PZ 14-42mm/F3.5-5.6 ASPH./POWER O.I.S. is a new cutting-edge interchangeable lens which incorporates electric-powered zoom operation from the new premium lens brand “X” for LUMIX G Micro System that complies with Micro Four Thirds System standard. The lens features superb image rendering for lifelike textures, crisp edge-to-edge contrast, a unique Nano Surface Coating for minimal ghosts and flaring and natural atmospheres with remarkable transparency.

Comprising of 9 lenses in 8 groups, the lens system features excellent contrast at entire zoom range. The inclusion of 4 aspherical lenses that helps achieving the downsizing of lens unit also improves optical performance by minimizing distortion, even at the 28 mm wide end. The 2 ED lenses effectively compensates for the chromatic aberration. And, the retractable-type zoom lens boasts outstanding compactness with approx. 26.8 mm** in length and approx. 95g in weight to realize ultra-high mobility.

The 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 high speed AF system of LUMIX G cameras. It achieves approx. 0.1 second Light Speed AF*** thanks to the downsizing of focus lens and its amount of movement. By speeding up the aperture control, shutter time lag is also shortened by approx. 40% compared with the LUMIX G VARIO 14-42mm/F3.5-5.6 ASPH. /MEGA O.I.S..****.

** When the lens is retracted.

***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”. The zoom position is at wide-end.*5/ *5 The firmware of the GF3 must be updated to Ver.1.1 or later. Panasonic measurement method.

Specifications

- **Closest Focusing Distance:** 0.2m / 0.66ft
- **Diagonal Angle of View:** 75°(Wide) to 29°(Tele)
- **Dimensions:** Length: Approx. 26.8mm / 1.1" (from the tip of the lens to the base side of the lens mount, under the condition when lens is stored)
- **Filter Size:** $\varnothing$ 37mm / 1.5"
- **Focal Length:** 14-42mm (35mm camera equivalent 28-84mm)
- **Lens Construction:** 9 elements in 8 groups (4 aspherical lenses , 2 ED lens)
- **Lens Type:** Zoom
- **Maximum Aperture:** F3.5(Wide) - F5.6(Tele)
- **Maximum Diameter:** $\varnothing$ 61mm / 2.4"
- **Maximum Magnification:** Approx. 0.17x / 0.34x (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:** Approx. 95g / 3.4oz (excluding lens cap and lens rear cap)