

## 5.4 AND 10 MM ULTRA TELESCOPES

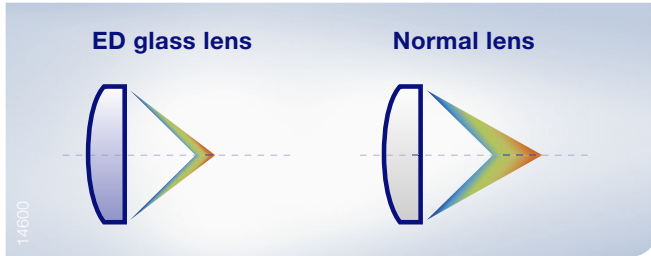
Optimized for a High Resolution Image.



# 5.4 AND 10 MM ULTRA TELESCOPES

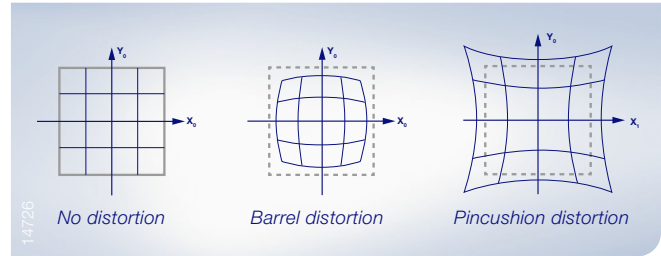
## ED Glass Lenses – Razor-Sharp Images

- Optimized for high-resolution imaging
- High contrast at high spatial frequencies
- Comparable working length for 5.4 mm and 10 mm



## Distortion-Free Images (5.4 mm telescope)

- Clear images even at the edges
- No barrel or pincushion distortion (using 5.4 mm telescope)



## Wide Field of View

- Visual field increased by 20% compared to conventional HD endoscopes\*

## Compatibility

- Mechanical compatibility to current generations of camera heads and light guide cables by Olympus and other manufacturers that comply with DIN58105.

## Full Autoclavability

- Reduced waste due to full reusability of the telescopes



## Good Illumination Even at the Edges

- The ULTRA telescopes have a homogeneous light distribution in the peripheral region (both 5.4 mm and 10 mm)

\* 5.4mm ULTRA telescope compared to endoscope with 70° field of view and 10mm ULTRA telescope compared to endoscope with 75° field of view.

| Ordering Information |                |                         |                |                              |
|----------------------|----------------|-------------------------|----------------|------------------------------|
| Order Number         | Outer Diameter | Direction of View (DOV) | Working Length | Max. Insertion Portion Width |
| WA4KL500             | 5.4 mm         | 0°                      | 315.3 ± 0.5 mm | 5.45 mm                      |
| WA4KL530             | 5.4 mm         | 30°                     | 315.5 ± 1.5 mm | 5.45 mm                      |
| WA4KL545             | 5.4 mm         | 45°                     | 315.5 ± 1.5 mm | 5.45 mm                      |
| WA4KL100             | 10 mm          | 0°                      | 315.9 ± 0.5 mm | 10.2 mm                      |
| WA4KL130             | 10 mm          | 30°                     | 317.1 ± 1.5 mm | 10.2 mm                      |
| WA4KL145             | 10 mm          | 45°                     | 317.7 ± 1.5 mm | 10.2 mm                      |

| Specifications       |                      |                            |
|----------------------|----------------------|----------------------------|
| Operating Conditions | Ambient temperature  | 10 to 35°C (50 to 95°F)    |
|                      | Relative humidity    | 30 to 85%                  |
|                      | Atmospheric pressure | 700 to 1060 hPa            |
| Storage Conditions   | Temperature          | 10 to 40°C (50 to 104°F)   |
|                      | Relative humidity    | 30 to 85%                  |
| Transport Conditions | Temperature          | -40 to 70°C (-40 to 158°F) |
|                      | Relative humidity    | 10 to 95%                  |

Specifications, design, and accessories are subject to change without any notice or obligation on the part of the manufacturer.



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