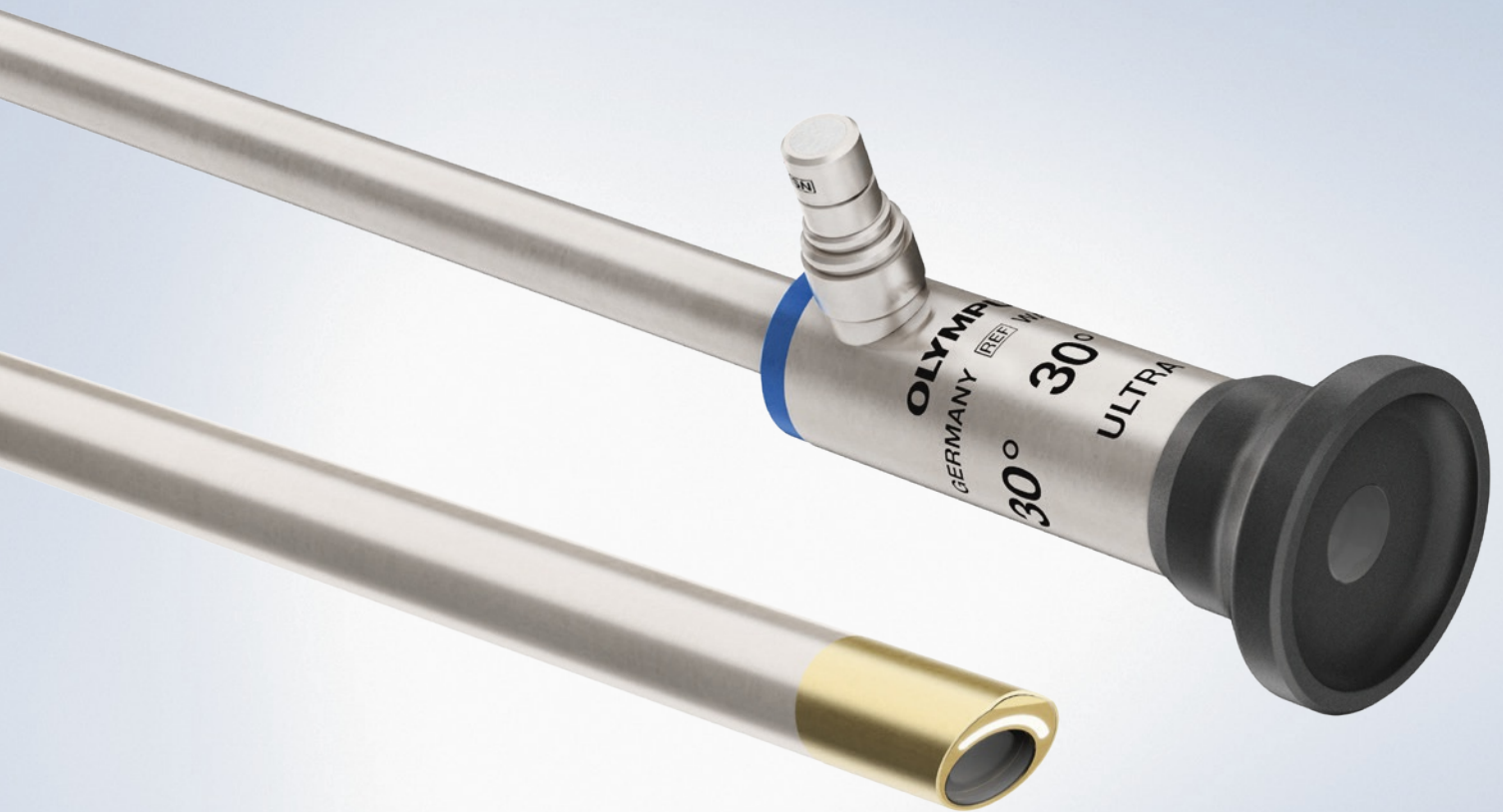


5.4 AND 10 MM ULTRA TELESCOPES

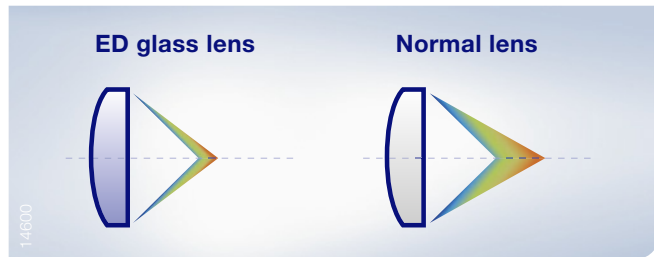
Optimized for a High Resolution Image.



5.4 AND 10 MM ULTRA TELESCOPES

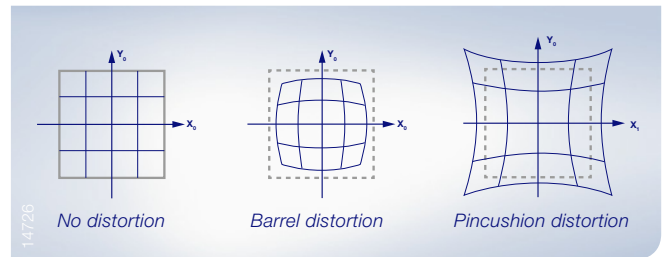
ED Glass Lenses – Razor-Sharp Images

- 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.



OLYMPUS EUROPA SE & CO. KG
 Postbox 10 49 08, 20034 Hamburg, Germany
 Wendenstrasse 14-18, 20097 Hamburg, Germany
 Phone: +49 40 23773-0, Fax: +49 40 233765
 www.olympus-europa.com

