

vicotar® TOB42 series

compact, robust, precise - bi-telecentric measuring lenses for polychromatic application



Product Characteristics:

- Telecentric measurement objective with object- and image-sided telecentric beam path
- High resolution, low lateral chromatic aberration, low distortion, low telecentric error
- Spectral range from 450 to 950 nm, colour-optimized and bright
- Available in the variants "variable aperture" and "fixed aperture"
 - fixed aperture - large f-number for high depth of field, small f-number for high illuminance and therefore shorter exposure times
 - variable aperture - to optimally set resolution and depth of field for the application
- Robust industrial design

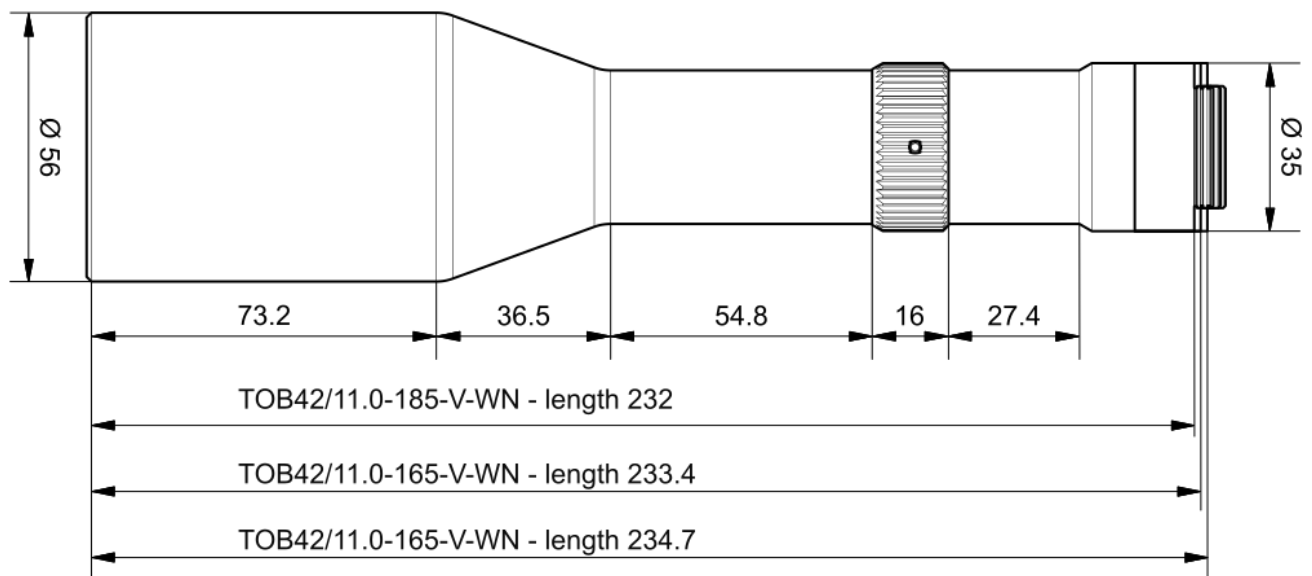
Technical Information:

	Image scale	Spectral range	Sensor size (max)	Object field diagonal (max)	Working distance	Aperture	Resolution class	Order number
TOB42/11.0-145-V-WN	0.26	450-950 nm	2/3"	42 mm	145 mm	F6 - F22	9 MPixel	2-05-602
TOB42/11.0-145-F10-WN						F10		2-05-608
TOB42/11.0-145-F16-WN						F16		2-05-605
TOB42/11.0-165-V-WN	0.26	450-950 nm	2/3"	42 mm	165 mm	F6 - F22	9 MPixel	2-05-601
TOB42/11.0-165-F10-WN						F10		2-05-604
TOB42/11.0-165-F16-WN						F16		2-05-607
TOB42/11.0-185-V-WN	0.26	450-950 nm	2/3"	42 mm	185 mm	F6 - F22	9 MPixel	2-05-600
TOB42/11.0-185-F10-WN						F10		2-05-603
TOB42/11.0-185-F16-WN						F16		2-05-606

Further bi-telecentric measuring lenses can be found in the TOB11 series (11 mm object field diagonal) and in the TOB22 series (22 mm object field diagonal).

Dimensions:

using the example of lenses with variable aperture*



* Fixed aperture variants have identical dimensions. By eliminating the aperture ring, the diameter at this point is reduced from 35 mm to 32 mm.