



**TC UV 12 48**

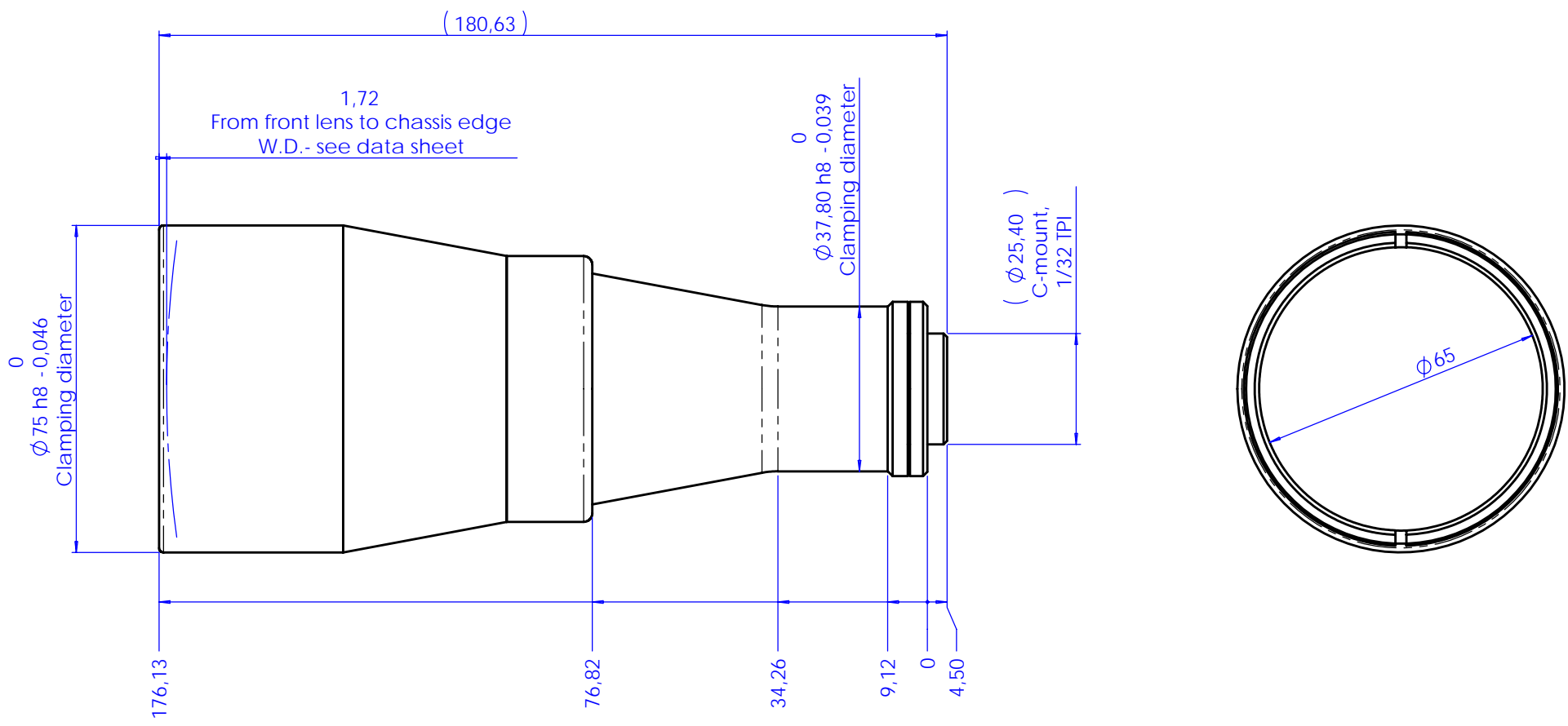
# UV Bi-Telecentric Lens for detectors up to 1/2"



part number		TC UV 12 48
<b>Range</b>	(nm)	365 / 420
<b>Magnification</b>		0,133 +/- 3%
<b>Object Field</b>	(mm x mm)	
with 1/4" (3,6 x 2,7) detector		27,0 x 20,2
with 1/3" (4,8 x 3,6) detector		36,0 x 27,0
with 1/2" (6,4 x 4,8) detector		47,9 x 36,0
with 1/1.8" (7,13 x 5,37) detector		53,4 x 40,2
with 2/3" (8,8 x 6,6) detector		diam. = 49,4
<b>Working Distance</b>	(mm)	130,7 +/- 4
<b>Working F-number</b>		8
<b>Telecentricity</b>	(degree)	< 0,08
<b>Distortion</b>	(%)	< 0,08
<b>Field Depth</b>	(mm)	37,0
<b>CTF @70 lp/mm</b>	(%)	> 40
<b>Image side N.A.</b>		0,0620
<b>Object side N.A.</b>		0,0083
<b>Mount</b>		C
<b>Length</b>	(mm)	176,1
<b>External diameter</b>	(mm)	75,0
<b>Weight</b>	(g)	670

Possible vignetting at the image corners with 1/1.8" detectors

Rev No.	Description	Date	Name
A	First light	09/05/08	A.Vismara



Material	N.A.		Mass	0.67 kg	Scale	1:1			
Surface treatment	N.A.		Project-Prod.Item/Instrument	Telecentric lens UV 12 48					
Geometrical tolerance (ISO 2768-2)		Class	K	Undimensioned bevels	1x45°	Description Assembly			
Linear tolerance (ISO 2768-2)		Class	m	Undimensioned radii	R 0.5				
0.5	>3-	>6-	>30-	>120	>400-	>1000	>2000	Drawing No.	Sheet
+3	6	30	120	+400	1000	+2000	+4000		
±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	Date	Name
		Designed	09/05/08	A.Vismara	Drawing No.		02627-0-A		Sheet
		Draw	09/05/08	A.Vismara					
		Checked	X	C. Sedazzari					
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