

2024

EHD Quarz UV Lenses



EHD imaging GmbH

17.6.2024

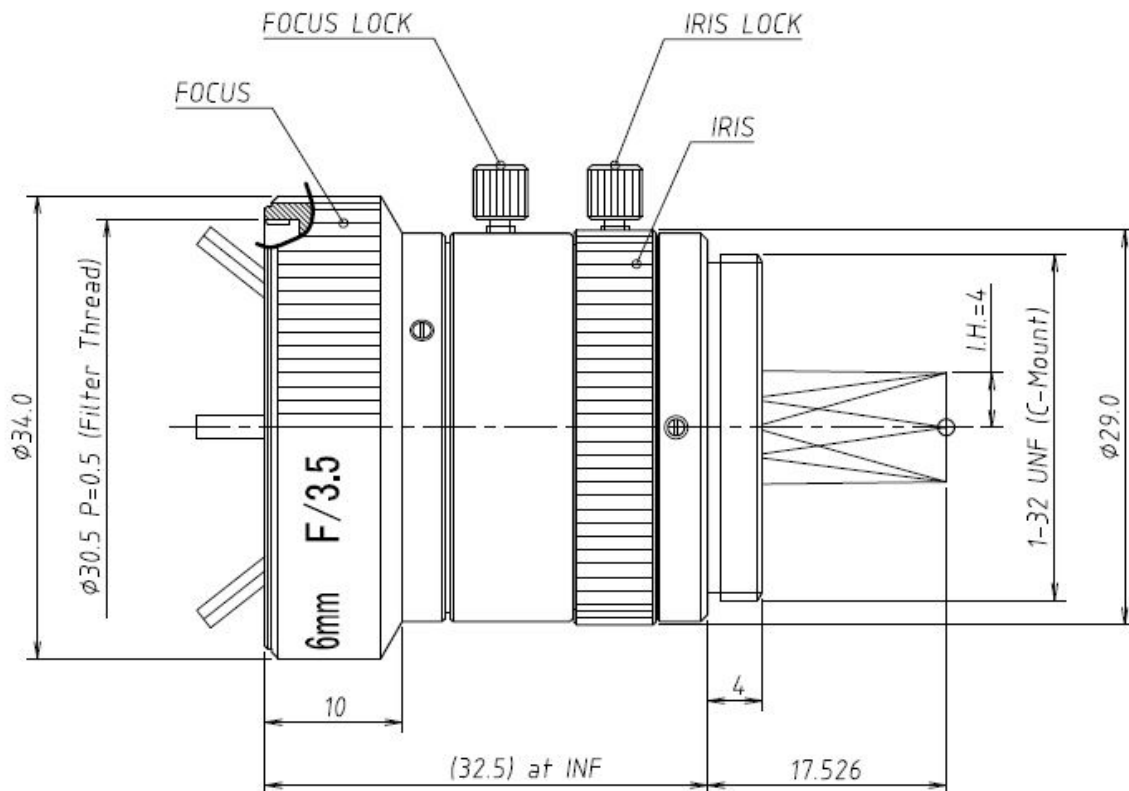
EHD UV Lenses

Fixed Focal Length Quarz Lenses, all surfaces are antireflection coated, MgF2 single coated.

EHD-UV0635BCM, 1/2", f=6.0mm/F3.5 C-Mount UV Lens

No.	Name	Specification	No.	Name	Specification
1	Focal Length	6.01mm (at 300nm)	8	Angle of View ver.	45.8°
2	Back Focal Length	14.00mm	9	Angle of View hor.	61.1°
3	Mechanical Back	13.53mm	10	Angle of View dia.	76.6°
4	Aperture Ratio	F/3.5 ~ F/16	11	Entrance Pupil	8.58mm (front lens)
5	Image Size	½" (4.8 x 6.4mm)	12	Exit Pupil	-29.49mm (image plane)
6	Distortion	-15.9%	13	Object Space	13.36mm (front lens)
7	Coating	300nm	14	Image Space	-6.01mm (image plane)

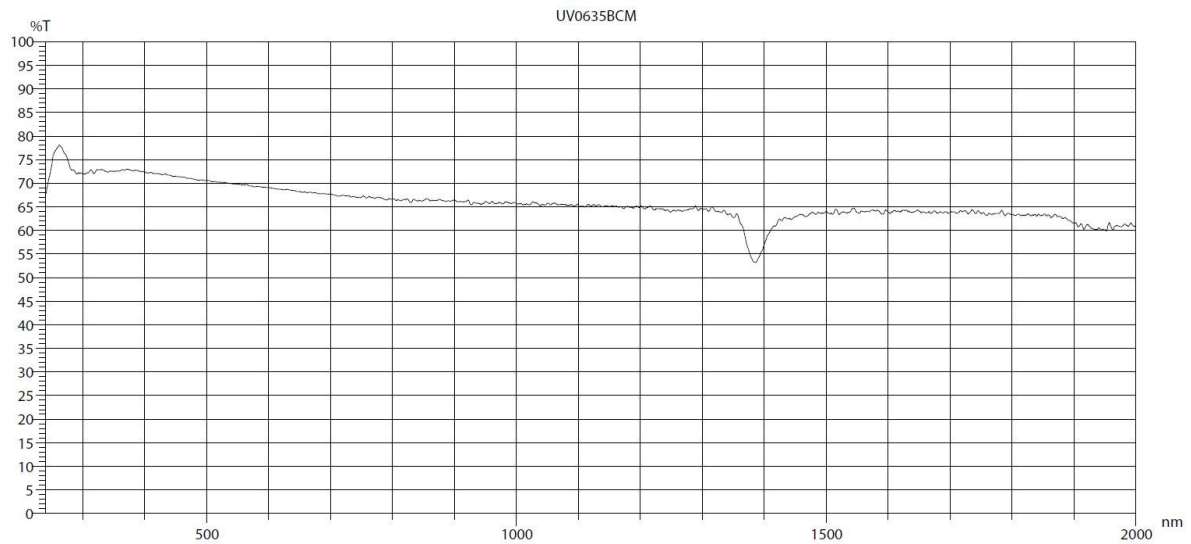
Dimensions



Bandpassfilter:

- U340-30
- BP324-30
- BP340-30
- BP365-30

Transmission



Produkt Image



Note:

1. Minimal working distance

2.1mm at 250nm

10.7mm at 300nm

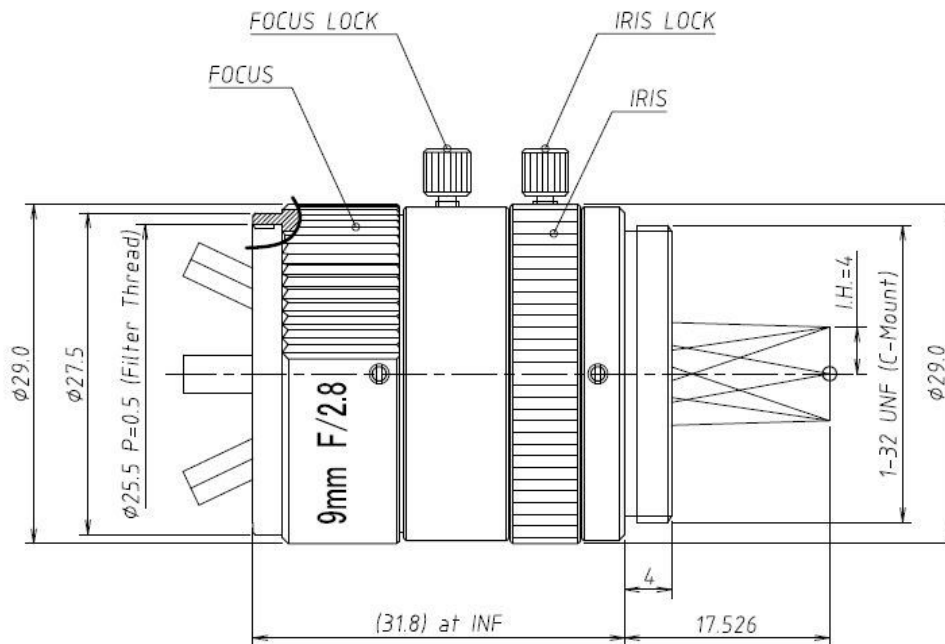
21.5mm at 350nm

32.1mm at 390nm

EHD-UV0928CM2, 1/2", f=9.0mm/F2.8 C-Mount UV Lens

No.	Name	Specification	No.	Name	Specification
1	Focal Length	9.00mm (at 300nm)	8	Angle of View ver.	30.5°
2	Back Focal Length	15.01mm	9	Angle of View hor.	40.7°
3	Mechanical Back	13.53mm	10	Angle of View dia.	50.8°
4	Aperture Ratio	F/2.8 ~ F/16	11	Entrance Pupil	9.15mm (front lens)
5	Image Size	½" (4.8 x 6.4mm)	12	Exit Pupil	-27.11mm (image plane)
6	Distortion	-6.4%	13	Object Space	15.16mm (front lens)
7	Coating	300nm	14	Image Space	-9.00mm (image plane)

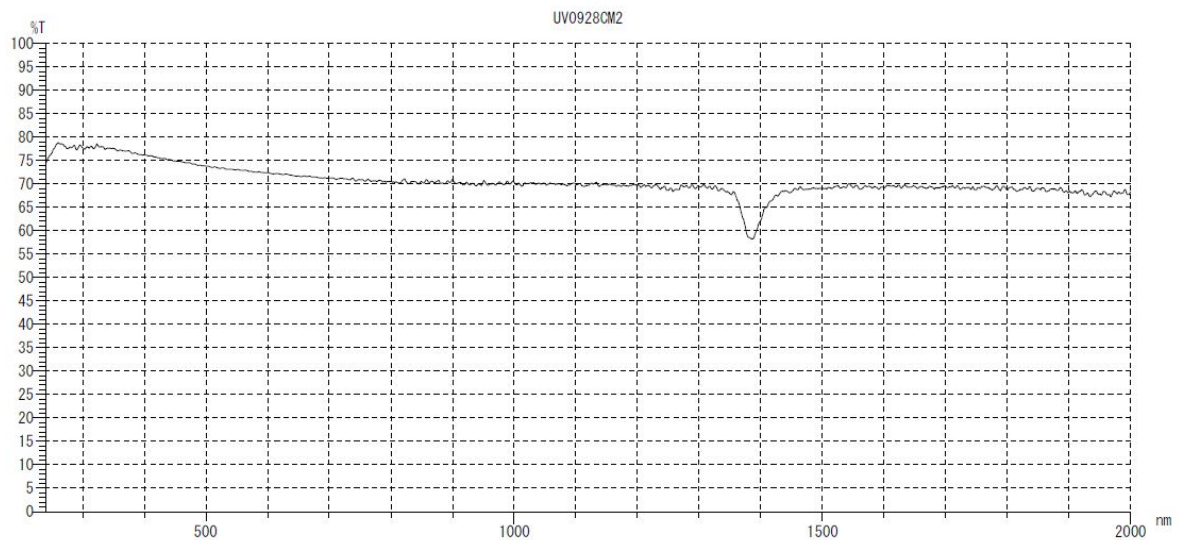
Dimensions



Bandpassfilter:

- U340
- BP324
- BP340
- BP365

Transmission



Produkt Image



Note:

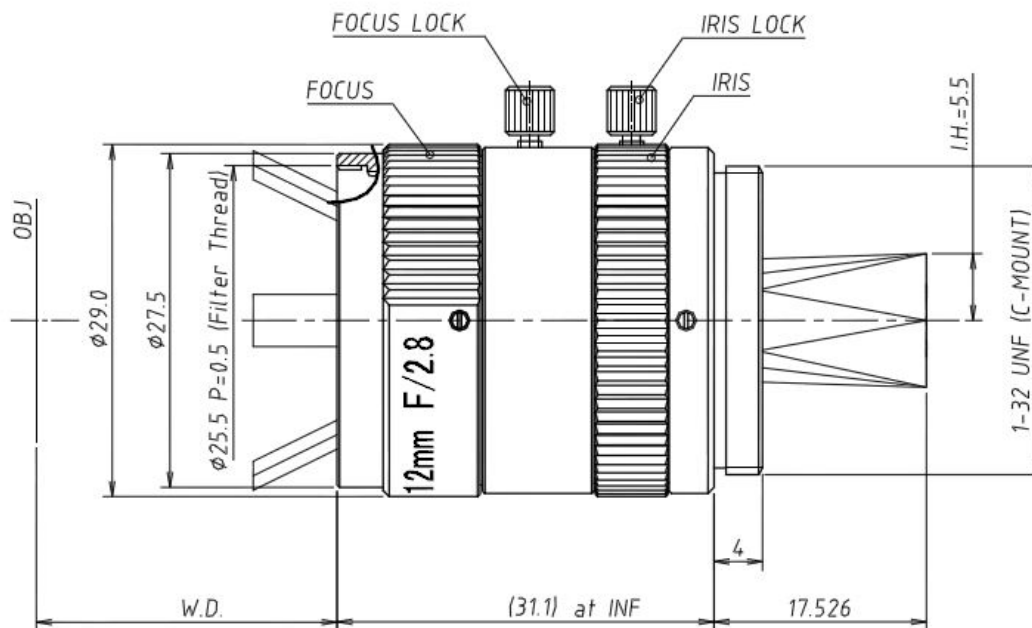
1. Minimal working distance

10.6mm at 250nm
 22.6mm at 300nm
 35.3mm at 350nm
 45.7mm at 390nm

EHD-UV1228CM, 2/3", f=12mm/F2.8 C-Mount UV Lens

No.	Name	Specification	No.	Name	Specification
1	Focal Length	12.08mm (at 300nm)	8	Angle of View ver.	31.3°
2	Back Focal Length	15.44mm	9	Angle of View hor.	41.7°
3	Mechanical Back	13.526mm	10	Angle of View dia.	52.1°
4	Aperture Ratio	F/2.8 ~ F/16	11	Entrance Pupil	9.7mm (front lens)
5	Image Size	2/3" (6.6 x 8.8mm)	12	Exit Pupil	-30.02mm (image plane)
6	Distortion	-6.8%	13	Object Space	19.92mm (front lens)
7	Coating	300nm	14	Image Space	-12.08mm (image plane)

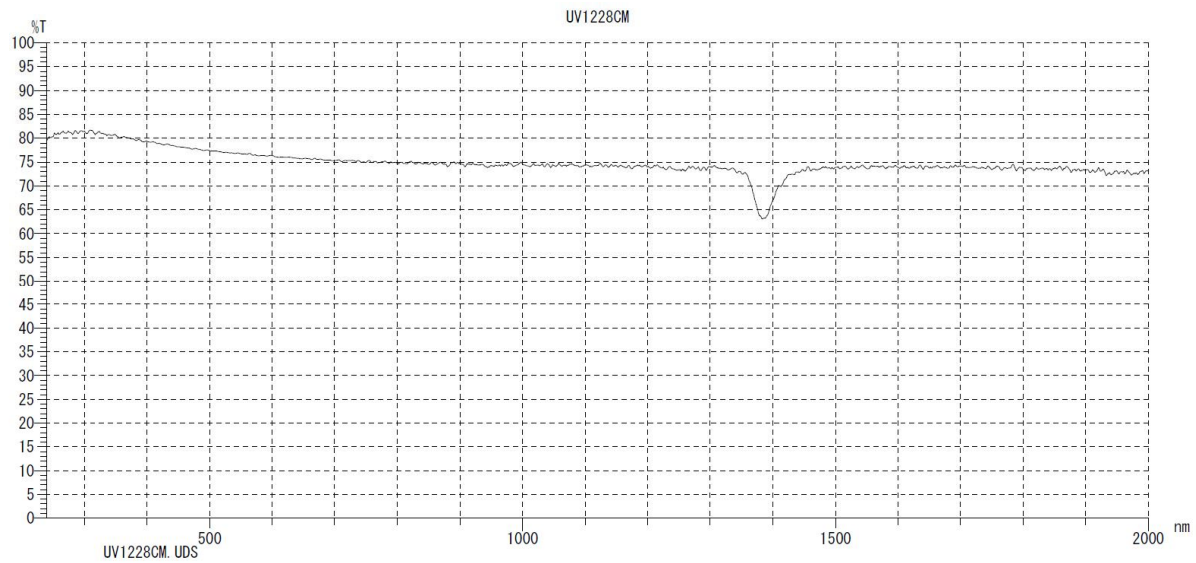
Dimensions



Bandpassfilter:

- U340
- BP324
- BP340
- BP365

Transmission:



Produkt Image



Note:

1. Minimal working distance

29.6mm at 250nm

49.2mm at 300nm

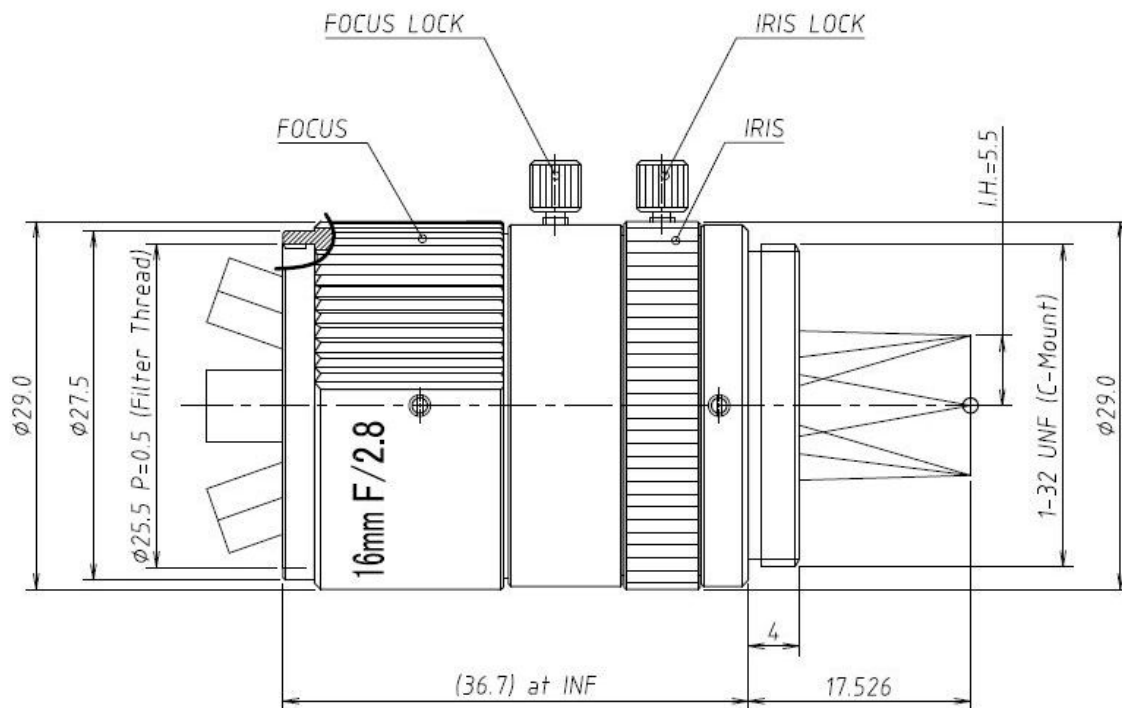
28.2mm at 350nm

82.5mm at 390nm

EHD-UV1628CM, 1", f=16mm/F2.8 C-Mount UV Lens

No.	Name	Specification	No.	Name	Specification
1	Focal Length	16.01mm (at 300nm)	8	Angle of View ver.	23.5°
2	Back Focal Length	16.79mm	9	Angle of View hor.	31.2°
3	Mechanical Back	13.53mm	10	Angle of View dia.	38.7°
4	Aperture Ratio	F/2.8 ~ F/16	11	Entrance Pupil	9.68mm (front lens)
5	Image Size	2/3" (6.6 x 8.8mm)	12	Exit Pupil	-39.21mm (image plane)
6	Distortion	-2.3%	13	Object Space	19.15mm (front lens)
7	Coating	300nm	14	Image Space	-16.01mm (image plane)

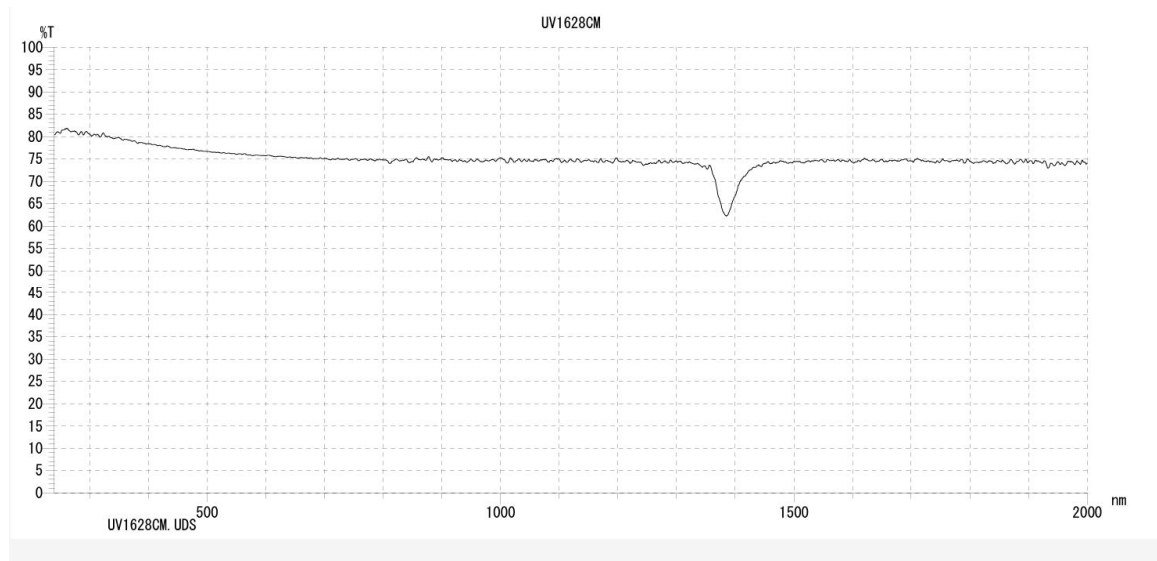
Dimensions



Bandpassfilter:

- U340
- BP324
- BP340
- BP365

Transmission



Product Image



Note:

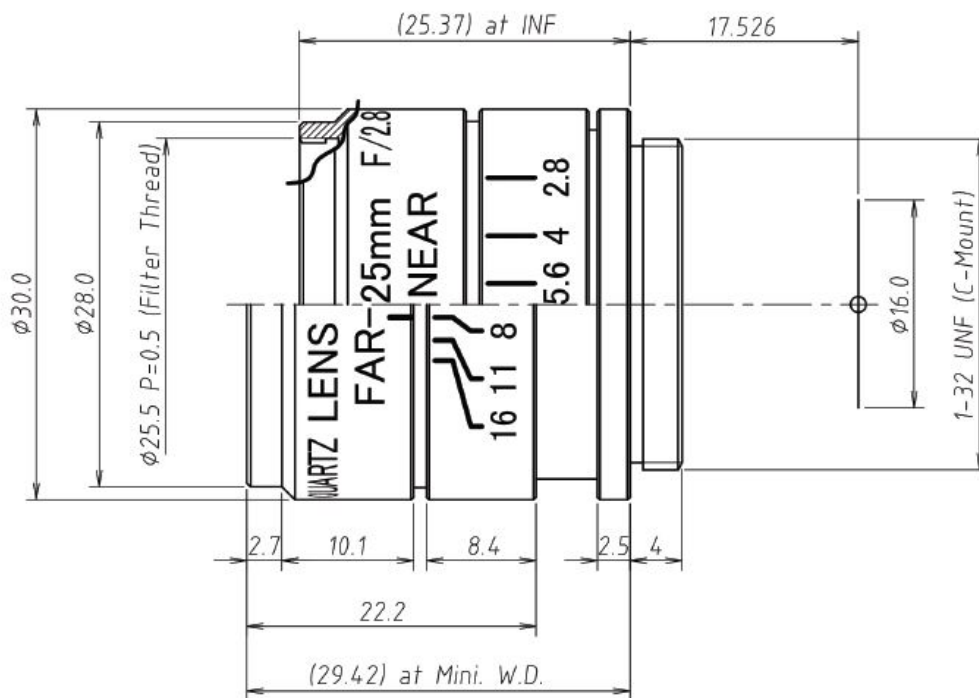
1. Minimal working distance

42.1mm at 250nm
63.7mm at 300nm
83.5mm at 350nm
97.8mm at 390nm

EHD-UV2528B, 1", f=25mm/F2.8 C-Mount UV Lens

No.	Name	Specification	No.	Name	Specification
1	Focal Length	16.01mm (at 300nm)	8	Angle of View ver.	23.5°
2	Back Focal Length	16.79mm	9	Angle of View hor.	31.2°
3	Mechanical Back	13.53mm	10	Angle of View dia.	38.7°
4	Aperture Ratio	F/2.8 ~ F/16	11	Entrance Pupil	9.68mm (front lens)
5	Image Size	2/3" (6.6 x 8.8mm)	12	Exit Pupil	-39.21mm (image plane)
6	Distortion	-2.3%	13	Object Space	19.15mm (front lens)
7	Coating	300nm	14	Image Space	-16.01mm (image plane)

Dimensions

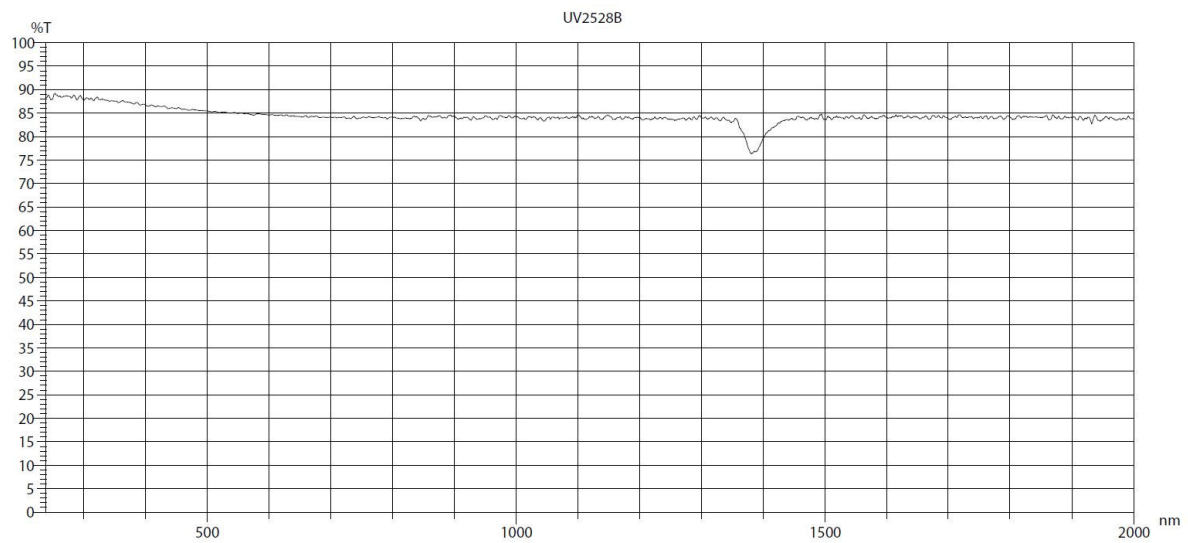


Bandpassfilter:

- U340
- BP324
- BP340
- BP365

Transmission:

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Produkt Image



Note:

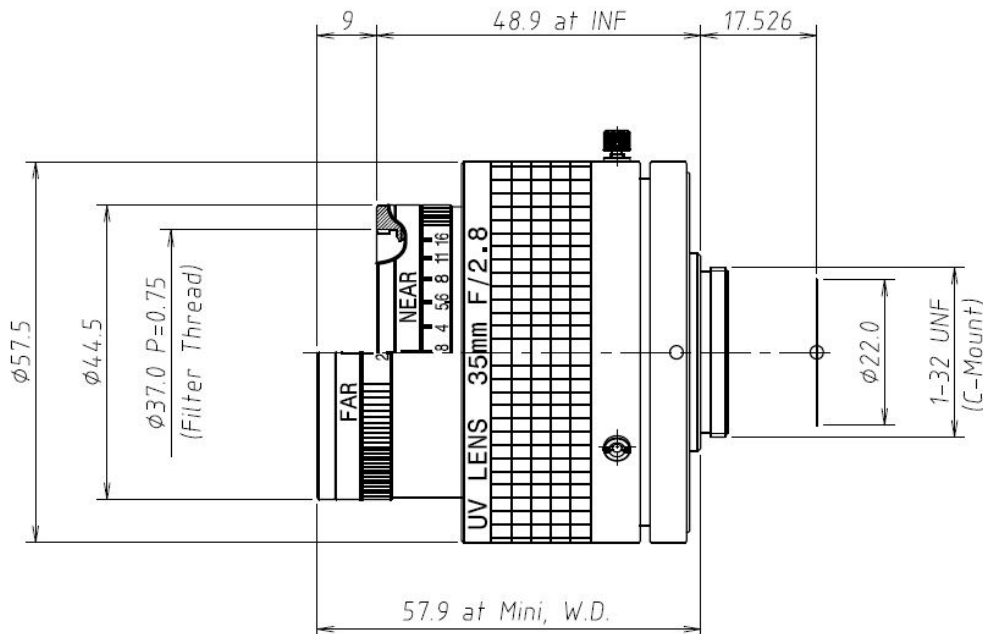
1. Minimal working distance

171.8mm at 250nm
 199.6mm at 300nm
 261.8mm at 350nm
 309.8mm at 390nm

EHD-UV3528BK, 4/3", f=35mm/F2.8 C-Mount UV Lens

No.	Name	Specification	No.	Name	Specification
1	Focal Length	35.021mm (at 300nm)	8	Angle of View ver.	-°
2	Back Focal Length	30.75mm	9	Angle of View hor.	-°
3	Mechanical Back	13.53mm	10	Angle of View dia.	36.5°
4	Aperture Ratio	F/2.8 ~ F/16	11	Entrance Pupil	13.49mm (front lens)
5	Image Size	4/3" (22mm diagonal)	12	Exit Pupil	-36.24mm (image plane)
6	Distortion	-4.6%	13	Object Space	14.90mm (front lens)
7	Coating	250nm	14	Image Space	-34.77mm (image plane)

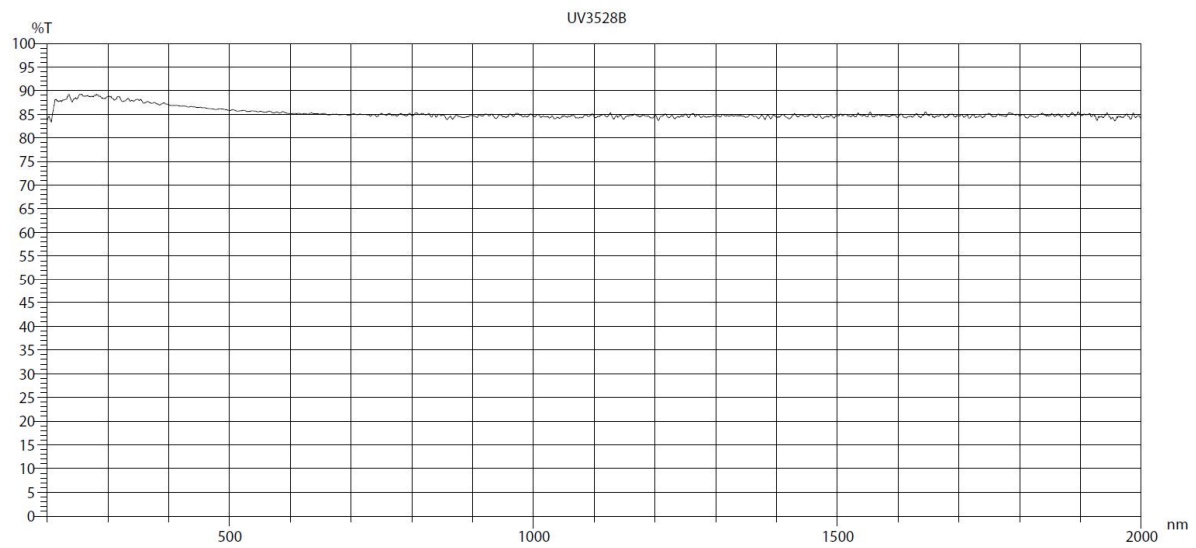
Dimensions



Bandpassfilter:

- U340
- BP324
- BP340
- BP365

Transmission:



Produkt Image

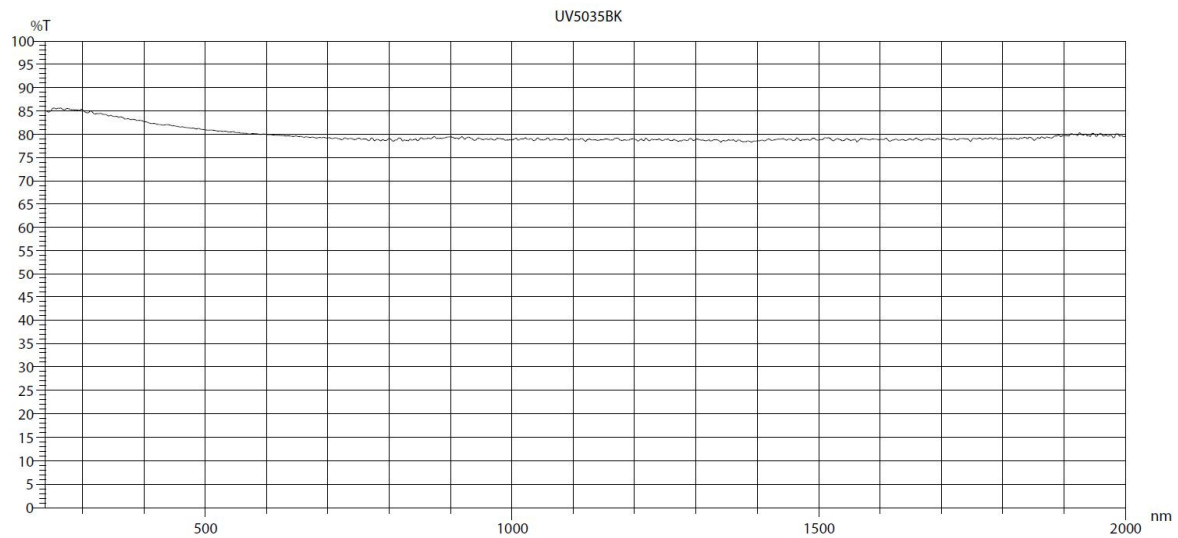


Note:

1. Minimal working distance

129.1mm at 250nm

Transmission:



Produkt Image



Note:

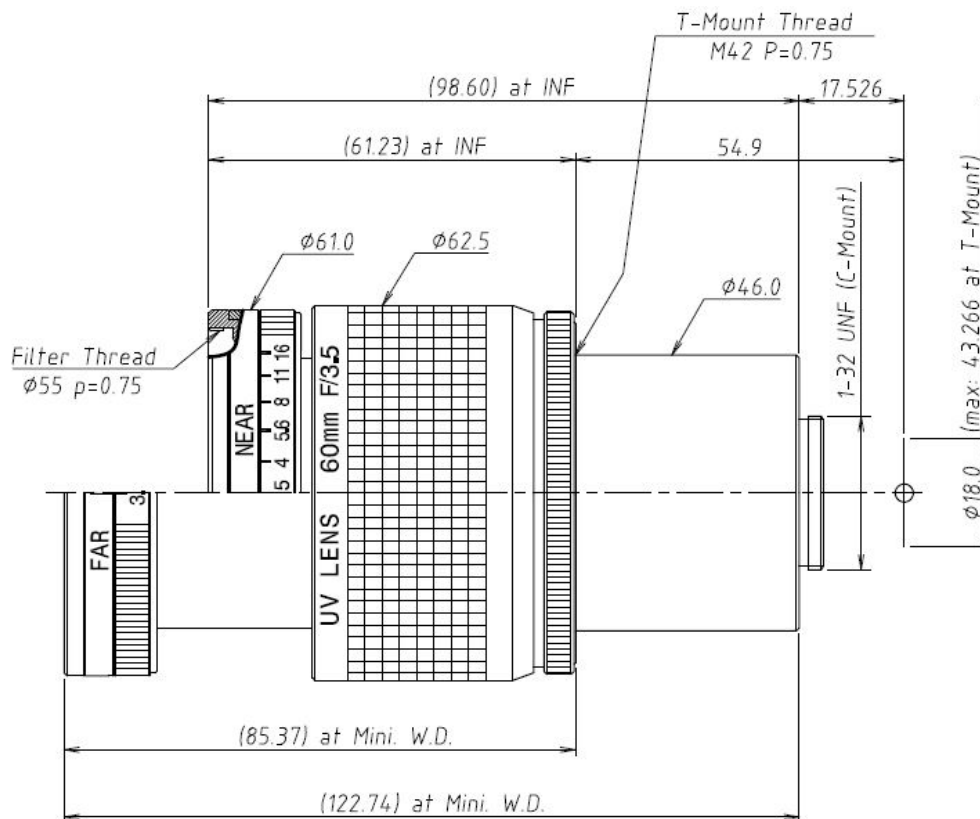
1. Minimal working distance

120.8mm at 250nm
 160.4mm at 300nm
 191.4mm at 350nm
 210.4mm at 390nm

EHD-UV6035BK, 18mm/43mm, f=60mm/F3.5 C-/T-Mount UV Lens

No.	Name	Specification	No.	Name	Specification
1	Focal Length	60.34mm (at 250nm)	8	Angle of View ver.	-°
2	Back Focal Length	55.75mm	9	Angle of View hor.	-°
3	Mechanical Back	13.53mm	10	Angle of View dia.	17.0° (40.2°)
4	Aperture Ratio	F/3.5 ~ F/16	11	Entrance Pupil	20.41mm (front lens)
5	Image Size	18mm – 43mm diag.	12	Exit Pupil	-63.51mm (image plane)
6	Distortion	-0.33%	13	Object Space	23.43mm (front lens)
7	Coating	250nm	14	Image Space	-60.34mm (image plane)

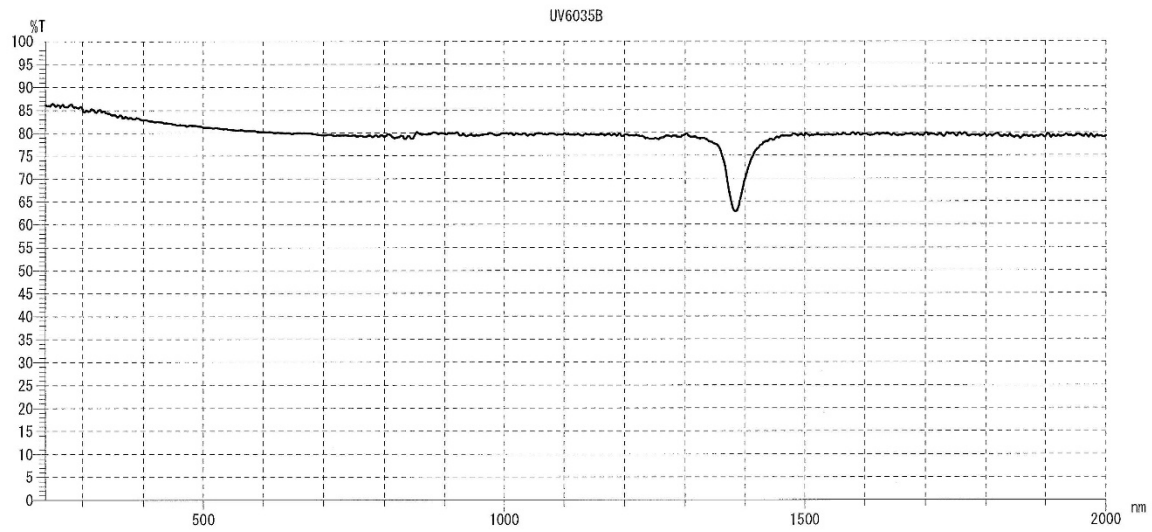
Dimensions



Bandpassfilter:

- U340
- BP324
- BP340
- BP365

Transmission:



Produkt Image



Note:

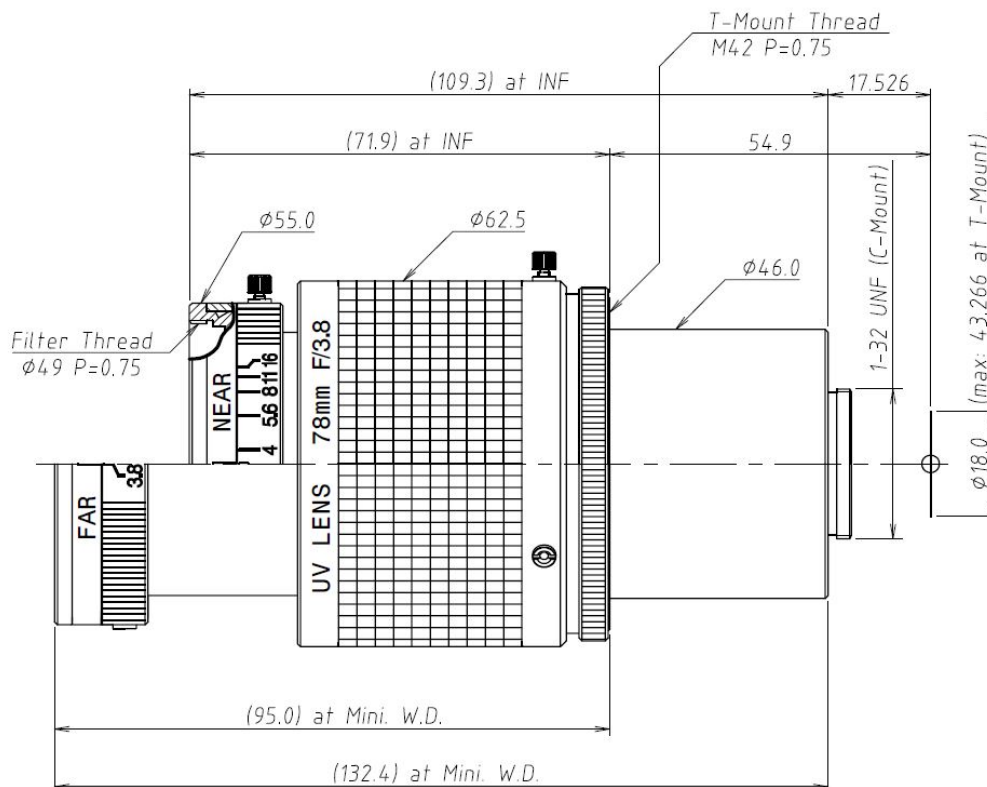
1. Minimal working distance

155.3mm at 250nm
197.2mm at 300nm
228.4mm at 350nm
247.7mm at 390nm

EHD-UV8040B, 18mm/43mm, f=80mm/F4.0 C-/T-Mount UV Lens

No.	Name	Specification	No.	Name	Specification
1	Focal Length	77.55mm (at 250nm)	8	Angle of View ver.	-°
2	Back Focal Length	55.75mm	9	Angle of View hor.	-°
3	Mechanical Back	13.53mm	10	Angle of View dia.	13.3° (31.7°)
4	Aperture Ratio	F/3.8 ~ F/16	11	Entrance Pupil	18.01mm (front lens)
5	Image Size	18mm – 43mm diag.	12	Exit Pupil	-78.75mm (image plane)
6	Distortion	-0.27%	13	Object Space	19.20mm (front lens)
7	Coating	250nm	14	Image Space	-77.55mm (image plane)

Dimensions

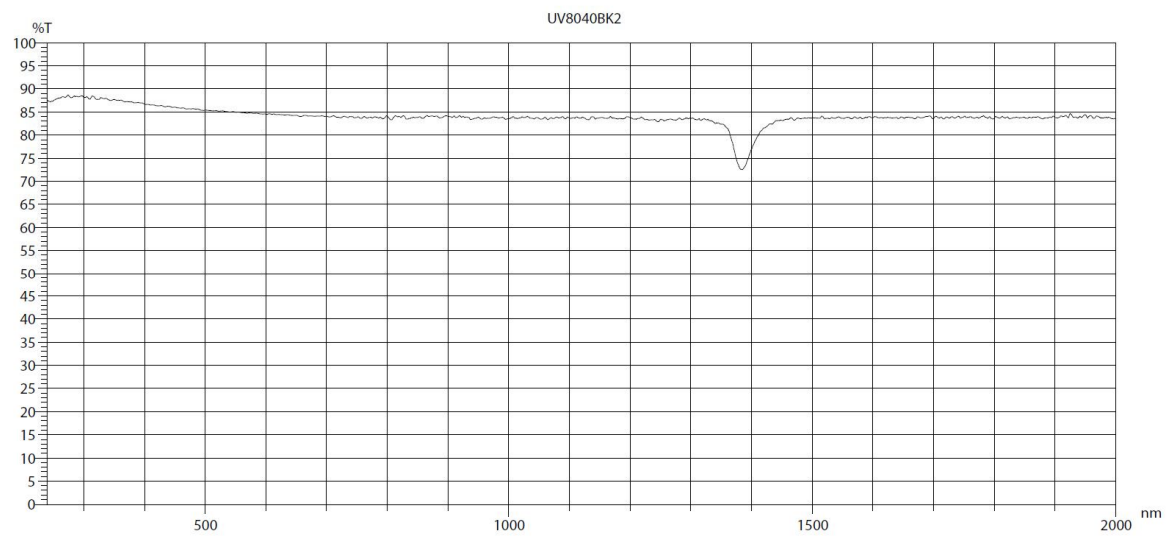


Bandpassfilter:

- U340
- BP324
- BP340
- BP365

Transmission:

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Tel.: +49-5491-2090, email: info@ehdimaging.de, Web: www.ehd.de



Produkt Image



Note:

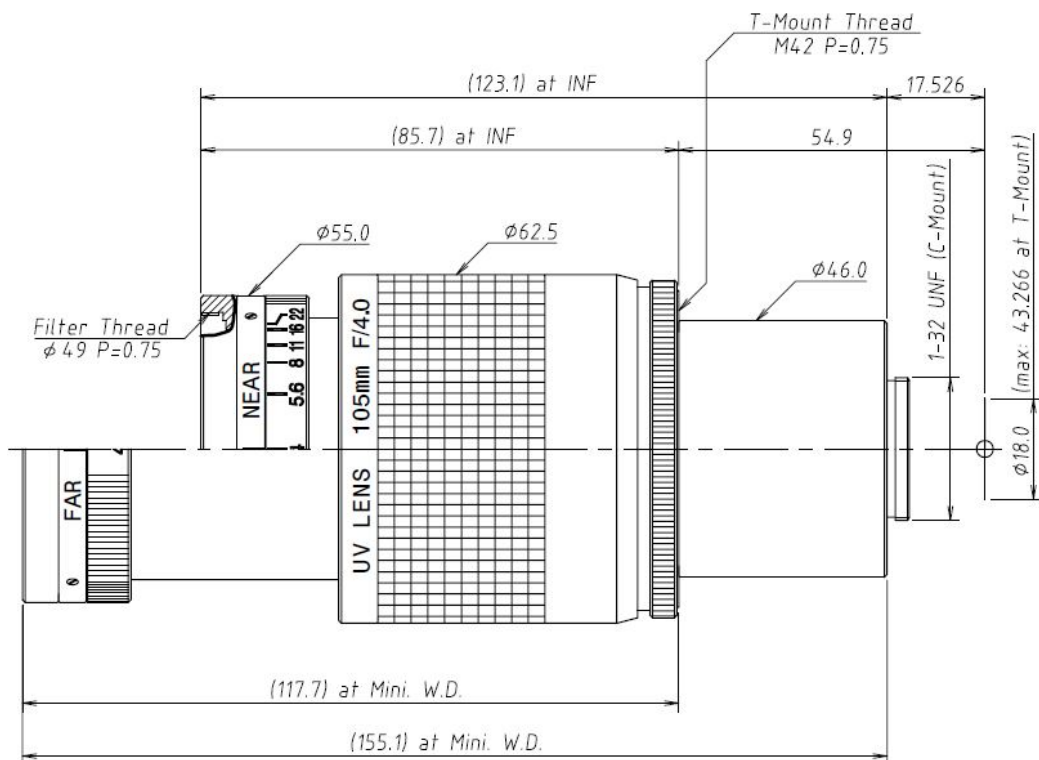
1. Minimal working distance

288.7mm at 250nm
 368.5mm at 300nm
 431.1mm at 350nm
 471.5mm at 390nm

EHD-UV1054B, 18mm/43mm, f=105mm/F4.0 C-/T-Mount UV Lens

No.	Name	Specification	No.	Name	Specification
1	Focal Length	105.0mm (at 250nm)	8	Angle of View ver.	-°
2	Back Focal Length	106.98mm	9	Angle of View hor.	-°
3	Mechanical Back	13.53mm	10	Angle of View dia.	9.8° (23.4°)
4	Aperture Ratio	F/4.0 ~ F/16	11	Entrance Pupil	15.71mm (front lens)
5	Image Size	18mm – 43mm diag.	12	Exit Pupil	-114.49mm (image plane)
6	Distortion	-0.11%	13	Object Space	24.42mm (front lens)
7	Coating	250nm	14	Image Space	-105.0mm (image plane)

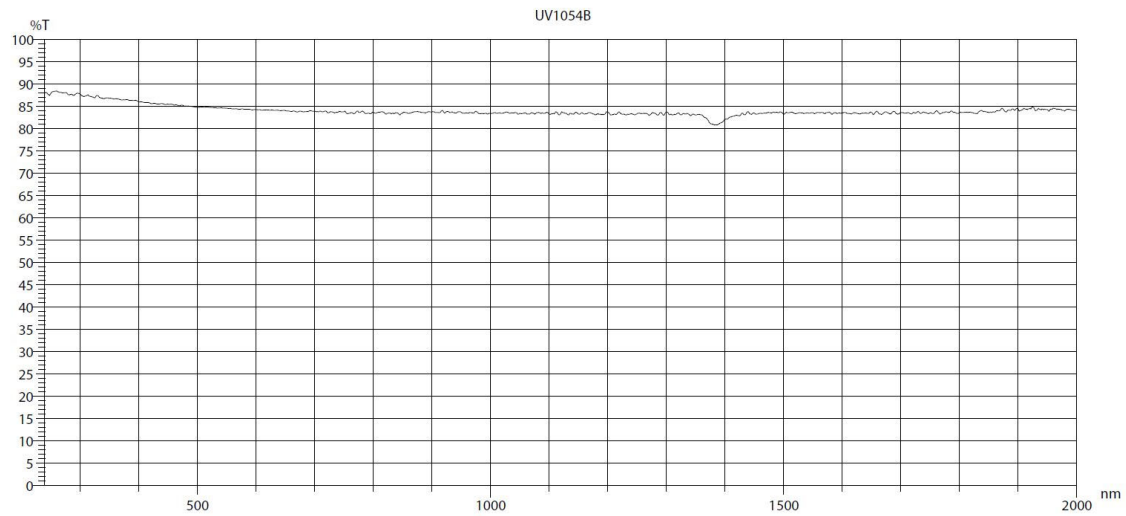
Dimensions



Bandpassfilter:

- U340
- BP324
- BP340
- BP365

Transmission:



Produkt Image



Note:

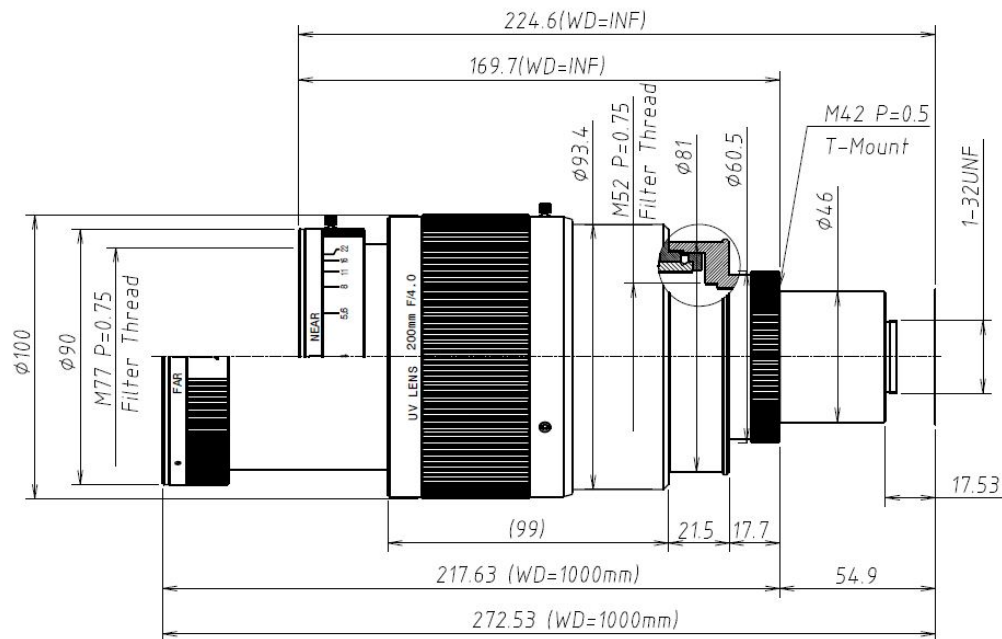
1. Minimal working distance

416.5mm at 250nm
 527.5mm at 300nm
 615.8mm at 350nm
 673.1mm at 390nm

EHD-UV2004B, 18mm/43mm, f=200mm/F4.0 C-/T-Mount UV Lens

No.	Name	Specification	No.	Name	Specification
1	Focal Length	200.0mm (at 250nm)	8	Angle of View ver.	-°
2	Back Focal Length	168.1mm	9	Angle of View hor.	-°
3	Mechanical Back	13.53mm	10	Angle of View dia.	5.2° (12.4°)
4	Aperture Ratio	F/4.0 ~ F/16	11	Entrance Pupil	13.87mm (front lens)
5	Image Size	18mm – 43mm diag.	12	Exit Pupil	-205.5mm (image plane)
6	Distortion	0.0%	13	Object Space	19.37mm (front lens)
7	Coating	250nm	14	Image Space	-199.8mm (image plane)

Dimensions



Bandpassfilter:

- BP324
- BP340
- BP365

Transmission:

n.a.

Produkt Image



Note:

1. Minimal working distance

1000mm at 250nm

1200mm at 300nm

1500mm at 350nm

1700mm at 390nm