

ZOOM 7000-2 MACRO IMAGING LENS SYSTEM



Setting a New Benchmark for Imaging Optics

Navitar's ZOOM 7000-2 next generation macro imaging system has been redesigned, refined, and optimized for demanding applications in machine vision, industrial imaging, life science and research.

With exceptional optical performance, this versatile, close-focusing lens delivers excellent image quality across various magnification ranges. Its robust construction ensures reliability in challenging environments while delivering excellent value, flexibility in Visible and SWIR imaging.

KEY FEATURES:

- Optical Zoom, 18mm – 111mm Focal Length
- 2/3" Format, C-Mount
- Optimized for 5 μ m Pixel Cameras
- Visible and VIS-SWIR Coating Options
- Manual and Motorized Control Options

APPLICATIONS:

- Optical Inspection
- Quality Control
- Research & Development
- Biomedical Imaging

SPECIFICATIONS:

Focal Length (mm)	18.6 - 111 (6X)
Image Size (mm)	2/3" (Ø11)
Aperture (f/#)	F2.5 - F16
Working Distance (mm)	127 - Infinity
Zoom Control	Manual or Motorized
Focus & Iris Control	Manual
Spectral Range	VIS or VIS-SWIR
Resolution (Center, Corner)	100 lp/mm, 60lp/mm
Distortion (TV)	W 2.3% / T 1.3%
Size (mm)	Ø 67 x 178.2
Mount	C-Mount
Filter Size	M58.0 x 0.75
Weight (g)	840



Zoom 7000-2 w/ Pixelink Camera Kit (P/N: 1-101674)

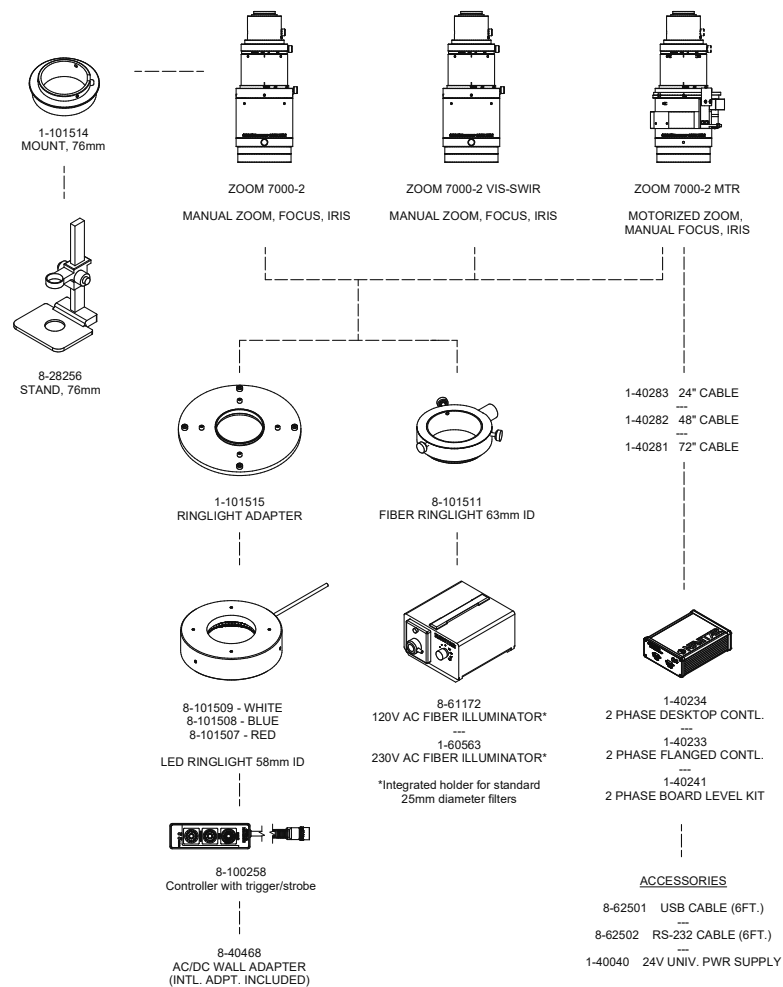
FIELD OF VIEW MATRIX

W.D. (mm)	2/3"				1/2"				1/3"				1/4"			
	T		W		T		W		T		W		T		W	
	H	V	H	V	H	V	H	V	H	V	H	V	H	V	H	V
127	8.8	6.6	51.0	38.2	6.4	4.8	37.0	27.8	4.8	3.6	27.8	20.8	3.2	2.4	18.5	13.9
152	11.0	8.2	65.4	49.0	8.0	6.0	47.6	35.6	6.0	4.5	35.6	26.8	4.0	3.0	23.8	17.8
177	13.2	9.9	80.0	60.0	9.6	7.2	58.4	43.8	7.2	5.4	43.8	32.8	4.8	3.6	29.2	21.9
202	15.3	11.5	90.7	68.0	11.2	8.4	66.0	49.5	8.4	6.3	49.5	37.2	5.6	4.2	33.0	24.7
227	17.5	13.2	106.0	79.4	12.8	9.6	77.0	57.7	9.6	7.2	57.7	43.3	6.4	4.8	38.5	28.8
252	19.7	14.8	116.0	86.8	14.4	10.8	84.0	63.0	10.8	8.1	63.0	47.3	7.2	5.4	42.0	31.6
277	21.8	16.4	129.0	96.7	16.0	12.0	94.0	70.4	12.0	9.0	70.4	52.8	8.0	6.0	47.0	35.2
302	24.0	18.0	141.0	106.0	17.6	13.2	102.4	76.8	13.2	9.9	76.8	57.6	8.8	6.6	51.2	38.4
Without Close-up Lens																
500	34.6	26.0	249.0	187.0	25.2	18.8	180.0	136.0	18.8	14.1	136.0	102.0	12.6	9.4	90.0	68.0
1000	74.6	56.0	484.0	363.0	54.0	40.4	352.0	264.0	40.4	30.3	264.0	198.0	27.0	20.2	176.0	132.0

ZOOM 7000-2 MACRO IMAGING LENS SYSTEM



SYSTEM DIAGRAM:



TRANSMISSION:

