



6.5X Motorized Coaxial Zoom Lens

LZ-650105

LZ-650105 PRODUCT INTRODUCTION

- Professional optical design with 0.7X-4.5X magnification and a 6.5:1 zoom ratio.
- Supports a wide field of view with a 2/3-inch camera.
- Compact structure for convenient integration and installation.

APPLICATIONS

Suitable for semiconductor inspection, industrial automation, electronic communications and other machine vision applications.

PERFORMANCE OVERVIEW

COAXIAL EPISCOPIC ILLUMINATION

Infinity parallel-light input enables shadow-free illumination. Uniform coaxial lighting improves image contrast and produces clear observation with high-resolution cameras.

MOTORIZED ZOOM CONTROL

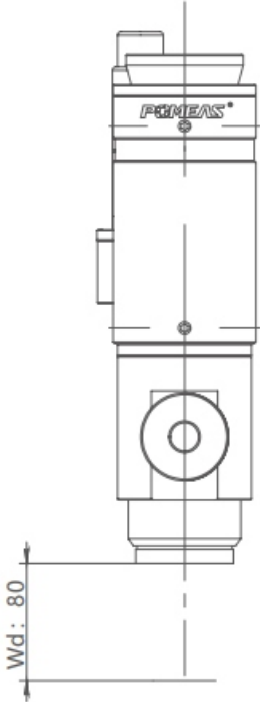
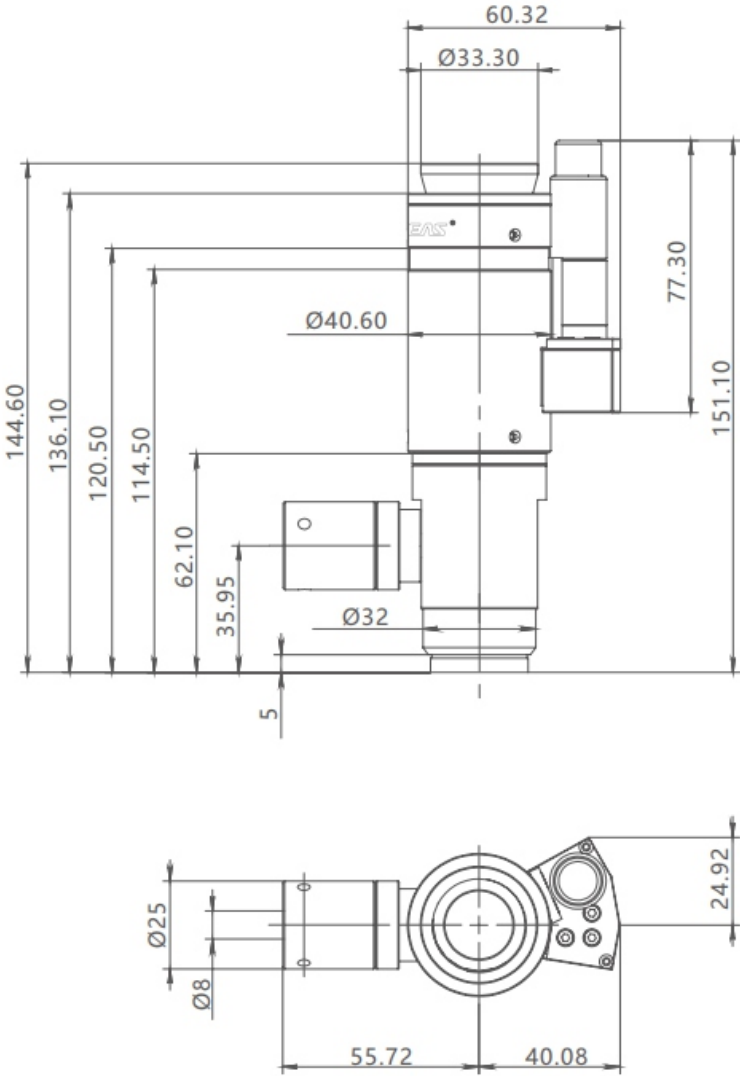
Imported DC servo motor with closed-loop control provides fast zoom response and high positioning repeatability. The 9-pin RS232 interface supports single- or dual-axis control.

MOTORIZED CONTROLLER

Integrated motorized control systems are available for POMEAS zoom lenses. Compatible configurations support RS232 or USB, and low-level software code can be provided for OEM platforms.

LZ-650105			TECHNICAL SPECIFICATIONS								
Model			LZ-650105								
Category			Motorized Zoom Lens with Coaxial Illumination								
Optical Magnification			0.7X-4.5X								
Working Distance			82+/-2 mm								
Magnification			0.7X	1.0X	1.5X	2.0X	2.5X	3.0X	3.5X	4.0X	4.5X
Telecentricity (deg.)			0.68	0.185	0.7	1.075	0.8	0.75	0.7	0.81	0.87
DOF (mm)			1.9	0.952	0.44	0.29	0.23	0.16	0.13	0.12	0.1
N.A.			0.03	0.042	0.06	0.07	0.07	0.085	0.085	0.085	0.085
F.No.			11.6	12.1	12.5	14.2	17.8	17.6	20.5	23.5	26.5
Resolution (um)			11.18	7.99	5.59	4.79	4.79	3.95	3.95	3.95	3.95
TV Distortion			0.019%	0.035%	0.002%	0.003%	0.004%	0.001%	0.001%	0.002%	0.002%
FOV (mm) D x H x V	2/3 Inch	15.71 x 12.57 x 9.43	11.00 x 8.80 x 6.60	7.33 x 5.87 x 4.40	5.50 x 4.40 x 3.30	4.40 x 3.52 x 2.64	3.67 x 2.93 x 2.20	3.14 x 2.51 x 1.89	2.75 x 2.20 x 1.65	2.44 x 1.96 x 1.47	
	1/2 Inch	11.43 x 9.14 x 6.86	8.00 x 6.40 x 4.80	5.33 x 4.27 x 3.20	4.00 x 3.20 x 2.40	3.20 x 2.56 x 1.92	2.67 x 2.13 x 1.60	2.29 x 1.83 x 1.37	2.00 x 1.60 x 1.20	1.78 x 1.42 x 1.07	
	1/3 Inch	8.57 x 6.86 x 5.14	6.00 x 4.80 x 3.60	4.00 x 3.20 x 2.40	3.00 x 2.40 x 1.80	2.40 x 1.92 x 1.44	2.00 x 1.60 x 1.20	1.71 x 1.37 x 1.03	1.50 x 1.20 x 0.90	1.33 x 1.07 x 0.80	
Max. Sensor Size			2/3 Inch								
Mount			C-Mount								
Zoom Mode			Motorized Zoom								
Focus Adjustment			/								

LZ-650105 DIMENSIONS



Unit: mm

Scale: 2:3

Model

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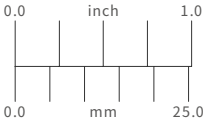
View

Weight: 0.067 kg

Name

Date

2019/08/20



POMEAS®

