

## Clifton Cameras Product Specification

M.ZUIKO DIGITAL ED 90mm F3.5 MACRO IS PRO

Focal Length	90mm
35mm Equivalent Focal Length	180mm
Lens Construction	18 elements in 13 groups
	(2 Super ED lenses, 4 ED lenses, 1 Super HR lens, 1 HR lens)
Splashproof Type / Dustproof	IEC Standard publication 60529 IP53 (applies when the lens is used with OM SYSTEM(OLYMPUS) splashproof Body)
Focusing System	High-speed Imager AF (MSC)
Angle of View	14 degrees
Closest Focusing Distance	0.250m 0.224m (S-MACRO)
Maximum Image Magnification	1.00x 2.00x (S-MACRO)
35mm Equivalent Max. Image Magnification	2.00x 4.00x (S-MACRO)
Minimum Field Size	8.7 x 6.5 mm (S-MACRO)
Number of Blades	7 (circular aperture diaphragm)
Maximum Aperture	F 3.5
Minimum Aperture	F22
Lens IS Mechanism	VCM
	5-axis sync IS 7 steps*
	* According to CIPA standards. When attached to OM-1, with yaw and pitch applied to camera, half-press IS set to Off.

	Lens IS 6 steps
Filter Size	Diameter 62 mm
Dimensions	ø69.8×136mm
Weight	453g (without Lens Cap, Lens Rear Cap and Lens Hood)
Box Contents	LH-66E Lens Hood, LC-62G Lens Cap, LR-2 Lens Rear Cap, CS-53 Wrapping Cloth, Instruction Manual, Warranty Card
	Specifications and design are subject to change without notice.
Separately available accessories	Protection Filter(PRF-ZD62 PRO) Lens Case(LSC-0914) Macro Flash(STF-8)
with MC-14	
Focal Length	126mm
35mm Equivalent Focal Length	252mm
Angle of View	9.8 degrees
Closest Focusing Distance	0.265m 0.239m (S-MACRO)
Maximum Image Magnification	1.41x 2.83x (S-MACRO)
35mm Equivalent Max. Image Magnification	2.83x 5.66x (S-MACRO)
Minimum Field Size	6.1 x 4.6 mm (S-MACRO)
Maximum Aperture	F5.0
Minimum Aperture	F22
with MC-20	

Focal Length	180mm
35mm Equivalent Focal Length	360mm
Angle of View	6.9 degrees
Closest Focusing Distance	0.276m 0.250m (S-MACRO)
Maximum Image Magnification	2.00x 4.00x (S-MACRO)
35mm Equivalent Max. Image Magnification	4.00x 8.00x (S-MACRO)
Minimum Field Size	4.3x 3.3 mm (S-MACRO)
Maximum Aperture	F7.1
Minimum Aperture	F22