

Fact-sheet

ZEISS Mobile Imaging

Oberkochen, Germany, 25.02.2025



Technical Data ZEISS Otus ML Family

	ZEISS Otus ML 1.4/50	ZEISS Otus ML 1.4/85
Performance		
Focal length (mm)	50	85
Aperture range	f/1.4 – f/16	
Camera Mount	Sony E Mount Canon RF Mount Nikon Z-Mount	
Format compatibility	Full Frame	
Focusing range	0.5 m – ∞	0.8 m – ∞
Free working distance	0.39 m – ∞	0.68 m – ∞
Angular field** (diag. horiz. vert.)	47°/39°/27°	30°/25°/17°
Diameter of image field in mm	43	
Coverage at close range (MOD)**	259 x 173 mm (10.19" x 6.81")	289 x 193 mm (11.37" x 7.59")
Image ratio at minimum object distance	1:7.3	1:8.1
Lens elements groups	14 11	15 11
Flange focal distance (mm)	E-Mount: 18 RF-Mount: 20 Z-Mount: 16	E-Mount: 18 RF-Mount: 20 Z-Mount: 16
Entrance pupil position (front of image plane in mm)	38	81.6
Features		
Autofocus	–	
Image Stabilization	–	
Physical		
Filter thread in mm	67	77
Rotation angle of focusing ring	259.5°	244°
Diameter max. in mm	77.4	87.9
Diameter of focusing ring in mm	77.4	87.9
Length (with lens caps in mm)	E-Mount: 114 RF-Mount: 112 Z-Mount: 115	E-Mount: 128 RF-Mount: 126 Z-Mount: 129
Length (without lens caps in mm)	E-Mount: 100 RF-Mount: 100 Z-Mount: 102	E-Mount: 113 RF-Mount: 113 Z-Mount: 116



Weight (g)	E-Mount: 677	E Mount: 1040
	RF-Mount: 697	RF-Mount:1055
	Z-Mount: 718	Z-Mount: 1061

Sales Box

Scope of Delivery	Lens, Lens Shade, Lens Caps (front and rear), Lens Pouch, De-Click Key, User Manual, Warranty and Test Certificate
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**referring to 36 mm format

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3 Nikon is a registered trademark of the Nikon Corporation.