

	Leica ES2	Leica EZ4 10x	Leica EZ4 16x	Leica EZ4 open	Leica EZ4 D Digital 10x
Magnification changer	2-level 3:1	zoom 4.4:1	zoom 4.4:1	zoom 4.4:1	zoom 4.4:1
Eyepieces for spectacle wearers	10x/20 fixed	10x/20 fixed	16x/15 fixed	10x/20, 16x/16, diopter range from +5 to -5, not suitable for spectacles 20x/12	10x/20 fixed
Magnification range	10x/30x	8x to 35x	13x to 56x	depending on eyepiece: 8x to 70x	8x to 35x
LED incident/transmitted-light illuminators	integrated	integrated with dimmer, three incident-light methods	integrated with dimmer, three incident-light methods	integrated with dimmer, three incident-light methods	integrated with dimmer, three incident-light methods
Working distance	100mm	100mm	100mm	100mm	100mm
Digital camera				Leica DC150 for insertion in eyepiece tube (optional)	Integrated 3-megapixel CMOS camera
Software					Leica software for PC and MAC
Accessories for measuring				a variety of graticules for insertion in adjustable eyepieces	

Leica E Series – specifications, features

Stereomicroscope	Leica ES2	Leica EZ4 10x	Leica EZ4 16x	Leica EZ4 open	Leica EZ4 D Digital 10x
Optical system	10° Greenough, parfocal	10° Greenough, parfocal	10° Greenough, parfocal	10° Greenough, parfocal	10° Greenough, parfocal
Magnification changer	2-level, 3:1	zoom 4.4:1	zoom 4.4:1	zoom 4.4:1	zoom 4.4:1
Eyepieces for spectacle wearers	10x/20 fixed	10x/20 fixed	16x/15 fixed	replaceable, fixed or adjustable: 10x/20, 16x/16 20x/12 not suitable for spectacles	10x/20 fixed
Diopter correction				from +5 to -5 (adjustable eyepieces)	
Viewing angle	60°	60°	60°	60°	60°
Working distance	100mm	100mm	100mm	100mm	100mm
Magnification range	10x/30x	8x to 35x	13x to 56x	8x to 70x	8x to 35x
Max. resolution	159 Lp/mm	170 Lp/mm	170 Lp/mm	170 Lp/mm	170 Lp/mm
Max. num. aperture	0.053 nA	0.057 nA	0.057 nA	0.057 nA	0.057 nA
Object field diameter	20mm/6.7mm	5.7 to 25mm	4.3 to 18.8mm	3.4 to 25mm	5.7 to 25mm
Eyecups	replaceable	replaceable	replaceable	replaceable	replaceable
Interpupillary distance	50 to 75mm	50 to 75mm	50 to 75mm	50 to 75mm	50 to 75mm
Beam path	100% visual	100% visual	100% visual	100% visual	50% visual/50% video
Focusing drive torque	individually adjustable, 75mm stroke (all instruments)				
Grip	integrated	integrated	integrated	integrated	integrated
LED illumination system	integrated, independent or combined incident and transmitted light (all instruments)				
Control	On/Off switch	membrane switch	membrane switch	membrane switch	membrane switch
Incident light method	angled incident light with 3 LEDs,	choice of 3 methods: maximum intensity with 5 LEDs, angled incident light side light with 2 LEDs (patent pending)			
Dimmer	–	yes, for incident and transmitted light	yes, for incident and transmitted light	yes, for incident and transmitted light	yes, for incident and transmitted light
Auto OFF	–	after 60 min.	after 60 min.	after 60 min.	after 60 min.
LED service life	approx. 25 000 h	approx. 25 000 h	approx. 25 000 h	approx. 25 000 h	approx. 25 000 h
Light quality	homogeneous daylight (6500° K), free of UV and IR radiation (all instruments)				
Maintenance	maintenance-free				
Power supply	universal from 100V to 240V, voltage-sensitive, integrated (all instruments)				
Digital camera				optional Leica DC150 with adapter	integrated 3.0 megapixel CMOS camera
Digital output					USB 2.0
Analog video port					RCA, video, composite for projector, monitor, video recorder
Integrated slot					SD (Secure Digital) card
Recording					switch for image capture
Software					Leica software for PC/MAC
Graticules, stage micrometer				for length measurements usable in adjustable eyepieces	