

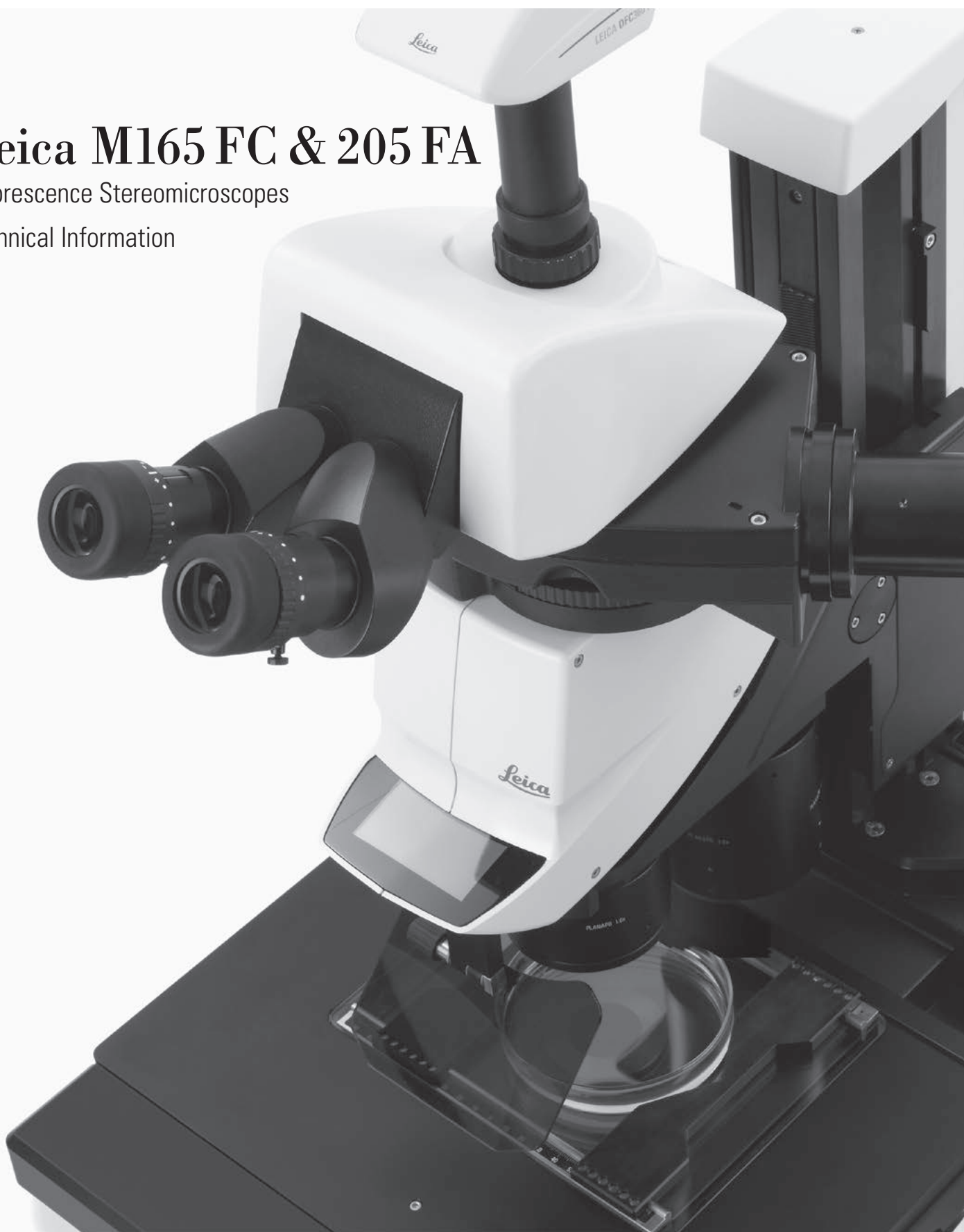
Living up to Life



Leica M165 FC & 205 FA

Fluorescence Stereomicroscopes

Technical Information



Performance characteristics

Specifications



	Leica M165 FC	Leica M205 FA
Optical Data		
Zoom	16.5:1 manual	20.5:1 automated with FusionOptics™
Data with standard optics (1× objective/10× eyepieces) – Zoom range – Resolution – Working distance – Object field	7.3×–120× max. 453 lp/mm 61.5 mm (Planapo) Ø 31.5 mm–1.92 mm	7.8×–160× max. 525 lp/mm 61.5 mm (Planapo) Ø 29.5 mm–1.44 mm
Maximum values (based on optics combination) – Magnification – Resolution – Visible structural width – Numerical aperture – Object field	960× 906 lp/mm 551 nm 0.302 Ø 63 mm	1280× 1050 lp/mm 476 nm 0.35 Ø 59 mm
Working distances	135 mm (0.5× planachromatic) 112 mm (0.8× planachromatic) 67 mm (0.63× planapochromatic) 61.5 mm (1× planapochromatic) 30.5 mm (1.6× planapochromatic) 20.1 mm (2× planapochromatic)	135 mm (0.5× planachromatic) 112 mm (0.8× planachromatic) 67 mm (0.63× planapochromatic) 61.5 mm (1× planapochromatic) 30.5 mm (1.6× planapochromatic) 20.1 mm (2× planapochromatic)
Optics carrier		
100 % apochromatic optical system	CMO (Common Main Objective) lead-free	CMO (Common Main Objective) lead-free
Specific surface resistivity (housing)	2×10 ¹¹ Ω/mm ² discharge time <2 seconds from 1000 V to 100 V	2×10 ¹¹ Ω/mm ² discharge time <2 seconds from 1000 V to 100 V
Encoded/automated (M205 FA)	Zoom, iris diaphragm, objective nosepiece, filter	Zoom, iris diaphragm, objective nosepiece, FIM, filter
Engageable zoom notches	13 for repetitive tasks	14 for repetitive tasks
Double-iris diaphragm for depth of field control	Built-in and encoded	Built-in and motorized
FIM (Fluorescence Intensity Control)	–	Built-in and motorized

	Leica M165 FC	Leica M205 FA
Accessories		
Standard objective (parfocal in the objective nosepiece)	1× planapochromatic	1× planapochromatic
Additional objectives (parfocal in the objective nosepiece)	5× planachromat (FluoCombiIII™), 2× planapochromat, 1.6× planapochromat, 0.63× planapochromat	2× planapochromatic, 1.6× planapochromatic, 0.63× planapochromatic
Additional objectives (non-parfocal)	1× planachromat, 0.8× planapochromat, 0.63× planapochromat, 0.5× planapochromat	1× planachromat, 0.8× planapochromat, 0.63× planapochromat, 0.5× planapochromat
Interpupillary distance	50 mm – 105 mm	50 mm – 105 mm
Wide-field eyepieces for eyeglass wearers	10×, 16×, 25×, 40×, with replaceable eyecups & click stop	10×, 16×, 25×, 40×, with replaceable eyecups & click stop
Manual coarse/fine focus	Focusing range 130 mm, adjustable ease of movement	Focusing range 130 mm, adjustable ease of movement
Motorized focus	Motorized focusing drive with 431 mm profile column, with power supply	Motorized focusing drive with 431 mm profile column, with power supply
Computer interface	USB	USB

Modular System

	Leica M165 FC und M205 FA
	Stands, illuminators
Transmitted light bases	Leica TL3000 ST: Bright field and dark field on one side - TL4000 BFDF: Bright and circular dark field – TL4000 RC / RCI™: Bright field, single-sided dark field, Rottermann Contrast - TL5000 Ergo: Bright field two-sided dark field, Rottermann Contrast
Incident light bases	Large incident-light base with black-and-white stage insert and Antishock™ feet
Stages	Gliding stage, MATS heating stage, cup stage, rotatable polarization stage, Leica IsoPro™ Cross-stage (manual and motorized)
Illuminators	LED5000 SLI™, LED5000 MCI™ and LED5000 RL, fluorescence, oblique, coaxial, cold light sources
	Misc. accessories
Photography, video	– Leica DFC digital image capture system, various camera variants, Leica IC D – Leica IC A video module – Various adapters for commercially available CCD cameras
Image archiving, image processing	Leica LAS AF: Software for all fluorescence tasks Leica Application Suite (LAS): Basic version with measuring tool and many other applications, other versatile modules available
Measurement reticules	For length measurement and counting
Vertical and oblique observation	45° side view around the complete object
Drawing tube	For left and right-handed users

Leica M165 FC Optical Data

Objectives		0.5× planachromatic		0.63× planapochromatic		0.8× planachromatic		1× planachromat	1× planapochromatic	1.6× planapochromatic		2× planapochromatic		5× planapochromatic (in FluoCombi III™)	
Working distances		135 mm		97 mm	67 mm	112 mm		59 mm	61.5 mm	30.5 mm		20.1 mm		19 mm	
Eyepieces	Zoom setting	Total magn.	Object-field Ø	Total magn.	Object-field Ø	Total magn.	Object-field Ø	Total magn.	Object-field Ø	Total magn.	Object-field Ø	Total magn.	Object-field Ø	Total magn.	Object-field Ø
		×	mm	×	mm	×	mm	×	mm	×	mm	×	mm	×	mm
10×/23B	0.73	3.65	63	4.67	49.2	5.84	39.4	7.3	31.5	11.7	19.7	14.6	15.8	29.2	1.6
	1	5	46	6.4	35.9	8	28.8	10	23	16	14.4	20	11.5	40	1.6
	1.6	8	28.8	10.2	22.5	12.8	18	16	14.4	25.6	8.98	32	7.19	64	1.6
	2	10	23	12.8	18	16	14.4	20	11.5	32	7.19	40	5.75	80	1.6
	2.5	12.5	18.4	16	14.4	20	11.5	25	9.2	40	5.75	50	4.6	100	1.6
	3.2	16	14.4	20.5	11.2	25.6	8.98	32	7.19	51.2	4.49	64	3.59	128	1.6
	4	20	11.5	25.6	8.98	32	7.19	40	5.75	64	3.59	80	2.88	160	1.44
	5	25	9.2	32	7.19	40	5.75	50	4.6	80	2.88	100	2.3	200	1.15
	6.3	31.5	7.3	40.3	5.7	50.4	4.56	63	3.65	101	2.28	126	1.83	252	0.913
	8	40	5.75	51.2	4.49	64	3.59	80	2.88	128	1.8	160	1.44	320	0.719
	10	50	4.6	64	3.59	80	2.88	100	2.3	160	1.44	200	1.15	400	0.575
	12	60	3.83	76.8	2.99	96	2.4	120	1.92	192	1.2	240	0.96	480	0.479
16×/15B	0.73	5.84	41.1	7.48	32.1	9.34	25.7	11.7	20.5	18.7	12.8	23.4	10.3	46.7	1.6
	1	8	30	10.2	23.4	12.8	18.8	16	15	25.6	9.38	32	7.5	64	1.6
	1.6	12.8	18.8	16.4	14.6	20.5	11.7	25.6	9.38	41	5.86	51.2	4.69	102	1.6
	2	16	15	20.5	11.7	25.6	9.38	32	7.5	51.2	4.69	64	3.75	128	1.6
	2.5	20	12	25.6	9.38	32	7.5	40	6	64	3.75	80	3	160	1.5
	3.2	25.6	9.38	32.8	7.32	41	5.86	51.2	4.69	81.9	2.93	102	2.34	205	1.17
	4	32	7.5	41	5.86	51.2	4.69	64	3.75	102	2.34	128	1.88	256	0.938
	5	40	6	51.2	4.69	64	3.75	80	3	128	1.88	160	1.5	320	0.75
	6.3	50.4	4.76	64.5	3.72	80.6	2.98	101	2.38	161	1.49	202	1.19	403	0.595
	8	64	3.75	81.9	2.93	102	2.34	128	1.88	205	1.17	256	0.94	512	0.469
	10	80	3	102	2.34	128	1.88	160	1.5	256	0.94	320	0.75	640	0.375
	12	96	2.5	123	1.95	154	1.56	192	1.25	307	0.78	384	0.63	768	0.313
25×/9.5B	0.73	9.13	27.4	11.7	21.4	14.6	17.1	18.3	13.7	29.2	8.56	36.5	6.85	73	1.6
	1	12.5	20	16	15.6	20	12.5	25	10	40	6.25	50	5	100	1.6
	1.6	20	12.5	25.6	9.77	32	7.81	40	6.25	64	3.91	80	3.13	160	1.56
	2	25	10	32	7.81	40	6.25	50	5	80	3.13	100	2.5	200	1.25
	2.5	31.3	8	40	6.25	50	5	62.5	4	100	2.5	125	2	250	1
	3.2	40	6.25	51.2	4.88	64	3.91	80	3.13	128	1.95	160	1.56	320	0.781
	4	50	5	64	3.91	80	3.13	100	2.5	160	1.56	200	1.25	400	0.625
	5	62.5	4	80	3.13	100	2.5	125	2	200	1.25	250	1	500	0.5
	6.3	78.8	3.17	101	2.48	126	1.98	158	1.59	252	0.99	315	0.79	630	0.397
	8	100	2.5	128	1.95	160	1.56	200	1.25	320	0.78	400	0.63	800	0.313
	10	125	2	160	1.56	200	1.25	250	1	400	0.63	500	0.5	1000	0.25
	12	150	1.67	192	1.3	240	1.04	300	0.83	480	0.52	600	0.42	1200	0.208
40×/6B	0.73	14.6	16.4	18.7	12.8	23.4	10.3	29.2	8.22	46.7	5.14	58.4	4.11	117	1.6
	1	20	12	25.6	9.38	32	7.5	40	6	64	3.75	80	3	160	1.5
	1.6	32	7.5	41	5.86	51.2	4.69	64	3.75	102	2.34	128	1.88	256	0.938
	2	40	6	51.2	4.69	64	3.75	80	3	128	1.88	160	1.5	320	0.75
	2.5	50	4.8	64	3.75	80	3	100	2.4	160	1.5	200	1.2	400	0.6
	3.2	64	3.75	81.9	2.93	102	2.34	128	1.88	205	1.17	256	0.94	512	0.469
	4	80	3	102	2.34	128	1.88	160	1.5	256	0.94	320	0.75	640	0.375
	5	100	2.4	128	1.88	160	1.5	200	1.2	320	0.75	400	0.6	800	0.3
	6.3	126	1.9	161	1.49	202	1.19	252	0.95	403	0.60	504	0.48	1008	0.238
	8	160	1.5	205	1.17	256	0.94	320	0.75	512	0.47	640	0.38	1280	0.188
	10	200	1.2	256	0.94	320	0.75	400	0.6	640	0.38	800	0.3	1600	0.15
	12	240	1	307	0.78	384	0.63	480	0.5	768	0.31	960	0.25	1920	0.125

Leica M205 FA Optical Data

Objectives		0.5× planachromatic		0.63× planapochromatic		0.8× planachromatic		1× planachromat	1× planapochromatic	1.6× planapochromatic		2× planapochromatic	
Working Distances		135 mm		97 mm	67 mm	112 mm		59 mm	61.5 mm	305 mm		20.1 mm	
Eyepieces	Zoom setting	Total mag.	Object-field Ø	Total mag.	Object-field Ø	Total mag.	Object-field Ø	Total mag.	Object-field Ø	Total mag.	Object-field Ø	Total mag.	Object-field Ø
		×	mm	×	mm	×	mm	×	mm	×	mm	×	mm
10×/23B	0.78	3.9	59	4.99	46.1	6.24	36.9	7.8	29.5	12.5	18.4	15.6	14.7
	1	5	46	6.4	35.9	8	28.8	10	23	16	14.4	20	11.5
	1.6	8	28.8	10.2	22.5	12.8	18	16	14.4	25.6	8.98	32	7.19
	2	10	23	12.8	18	16	14.4	20	11.5	32	7.19	40	5.75
	2.5	12.5	18.4	16	14.4	20	11.5	25	9.2	40	5.75	50	4.6
	4	20	11.5	25.6	8.98	32	7.19	40	5.75	64	3.59	80	2.88
	5	25	9.2	32	7.19	40	5.75	50	4.6	80	2.88	100	2.3
	6.3	31.5	7.3	40.3	5.7	50.4	4.56	63	3.65	101	2.28	126	1.83
	8	40	5.75	51.2	4.49	64	3.59	80	2.88	128	1.8	160	1.44
	10	50	4.6	64	3.59	80	2.88	100	2.3	160	1.44	200	1.15
	12.5	62.5	3.68	80	2.88	100	2.3	125	1.84	200	1.15	250	0.92
	16	80	2.88	102	2.25	128	1.8	160	1.44	256	0.90	320	0.72
16×/15B	0.78	6.24	38.5	11.4	19.6	9.98	24	12.5	19.2	20	12	25	9.62
	1	8	30	16	14.0	12.8	18.8	16	15	25.6	9.38	32	7.5
	1.6	12.8	18.8	20	11.2	20.5	11.7	25.6	9.38	41	5.86	51.2	4.69
	2	16	15	25	9	25.6	9.38	32	7.5	51.2	4.69	64	3.75
	2.5	20	12	32	7	32	7.5	40	6	64	3.75	80	3
	4	32	7.5	40	5.6	51.2	4.69	64	3.75	102	2.34	128	1.88
	5	40	6	50	4.5	64	3.75	80	3	128	1.88	160	1.5
	6.3	50.4	4.76	64	3.5	80.6	2.98	101	2.38	161	1.49	202	1.19
	8	64	3.75	72	3.1	102	2.34	128	1.88	205	1.17	256	0.94
	10	80	3	80	2.8	128	1.88	160	1.5	256	0.94	320	0.75
	12.5	100	2.4	100	2.2	160	1.5	200	1.2	320	0.75	400	0.6
	16	128	1.88	126	1.8	205	1.17	256	0.94	410	0.59	512	0.47
25×/9.5B	0.78	9.75	25.6	12.5	20	15.6	16	19.5	12.8	31.2	8.01	39	6.41
	1	12.5	20	16	15.6	20	12.5	25	10	40	6.25	50	5
	1.6	20	12.5	25.6	9.77	32	7.81	40	6.25	64	3.91	80	3.13
	2	25	10	32	7.81	40	6.25	50	5	80	3.13	100	2.5
	2.5	31.3	8	40	6.25	50	5	62.5	4	100	2.5	125	2
	4	50	5	64	3.91	80	3.13	100	2.5	160	1.56	200	1.25
	5	62.5	4	80	3.13	100	2.5	125	2	200	1.25	250	1
	6.3	78.8	3.17	101	2.48	126	1.98	158	1.59	252	0.99	315	0.79
	8	100	2.5	128	1.95	160	1.56	200	1.25	320	0.78	400	0.63
	10	125	2	160	1.56	200	1.25	250	1	400	0.63	500	0.5
	12.5	156	1.6	200	1.25	250	1	313	0.8	500	0.5	625	0.4
	16	200	1.25	256	0.98	25	9.62	400	0.63	640	0.39	800	0.31
40×/6B	0.78	15.6	15.4	20	12	25	9.62	31.2	7.69	49.9	4.81	62.4	3.85
	1	20	12	25.6	9.38	32	7.5	40	6	64	3.75	80	3
	1.6	32	7.5	41	5.86	51.2	4.69	64	3.75	102	2.34	128	1.88
	2	40	6	51.2	4.69	64	3.75	80	3	128	1.88	160	1.5
	2.5	50	4.8	64	3.75	80	3	100	2.4	160	1.5	200	1.2
	4	80	3	102	2.34	128	1.88	160	1.5	256	0.94	320	0.75
	5	100	2.4	128	1.88	160	1.5	200	1.2	320	0.75	400	0.6
	6.3	126	1.9	161	1.49	202	1.19	252	0.95	403	0.60	504	0.48
	8	160	1.5	205	1.17	256	0.94	320	0.75	512	0.47	640	0.38
	10	200	1.2	256	0.94	320	0.75	400	0.6	640	0.38	800	0.3
	12.5	250	0.96	320	0.75	400	0.6	500	0.48	800	0.3	1000	0.24
	16	320	0.75	410	0.59	512	0.47	640	0.38	1024	0.23	1280	0.19

Major User Segments

Natural science

Developmental biology	Organ development of the zebrafish, development of the nervous and vascular system in the zebrafish
Molecular genetics	Cell-cycle studies in <i>C. elegans</i> , gene expression studies in zebrafish embryogenesis, expression analyses in transgenic plants
Cell biology	Cell biology of the retina, observation of tumor cell invasion in cancer research, studies of blood cell development and capillary circulation
Neurology	Studies of neural transmission between nerves and muscles, development of the nervous system
Botany	Studies of fluorescent-marked proteins in transgenic plants
Pharmaceuticals	Studies of the effectiveness of pharmaceutical agents in cell biology assays
Forensics	Studies of textile fibers, fingerprints, bodily fluids, banknotes and forgeries

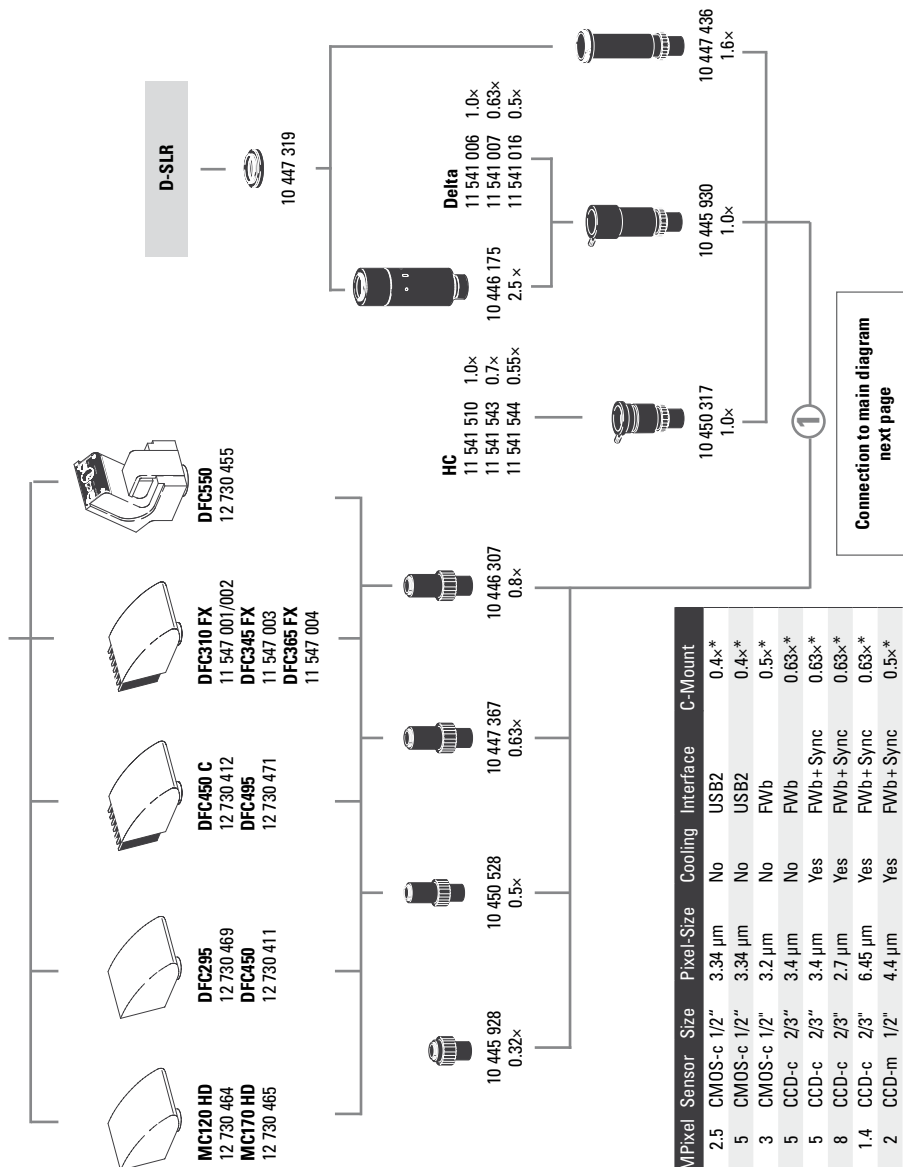
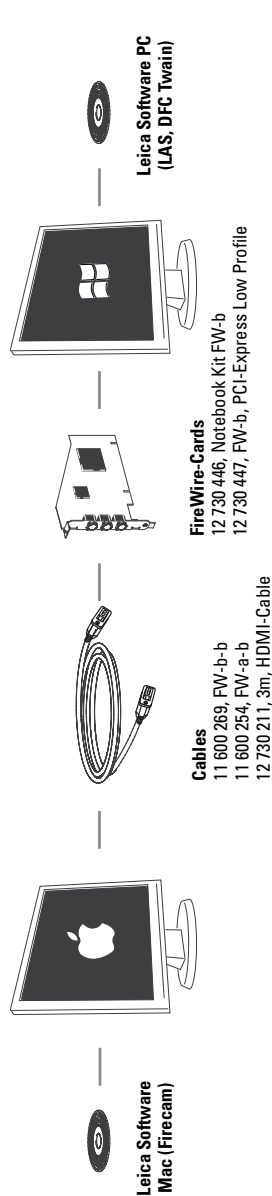
Industry

Pharmaceuticals	Fluorescence identification in model organisms for developing medicines
Materials science	Analysis of hairline cracks, defective connections etc.
Semiconductor production	Identification of foreign particles, examination of photoresists etc.
Art restoration	Distinguishing various painting layers and removing excess varnish or dust

Furthermore, the Leica M165 FC and M205 FA high-performance stereomicroscopes meet the most stringent requirements of a large number of other applications.

Leica Design by Christophe Apothéloz





Name	MPixel	Sensor	Size	Pixel-Size	Cooling	Interface	C-Mount
MC120 HD	2.5	CMOS-c	1/2"	3.34 µm	No	USB2	0.4x*
MC170 HD	5	CMOS-c	1/2"	3.34 µm	No	USB2	0.4x*
DFC295	3	CMOS-c	1/2"	3.2 µm	No	FW/b	0.5x*
DFC450	5	CCD-c	2/3"	3.4 µm	No	FW/b	0.63x*
DFC450 C	5	CCD-c	2/3"	3.4 µm	Yes	FW/b+ Sync	0.63x*
DFC495	8	CCD-c	2/3"	2.7 µm	Yes	FW/b+ Sync	0.63x*
DFC310 FX	1.4	CCD-c	2/3"	6.45 µm	Yes	FW/b+ Sync	0.63x*
DFC345 FX	2	CCD-m	1/2"	4.4 µm	Yes	FW/b+ Sync	0.5x*
DFC365 FX	1.4	CCD-m	2/3"	6.45 µm	Yes	FW/b+ Sync	0.63x*
DFC550	12.5	CCD-c	2/3"	6.45 µm	Yes	FW/b+ Sync	0.63x*

-c: color / -m: monochrome / * recommended

V4 – 2012

Digital camera systems

- 12 730 464 Leica MC120 HD camera kit
- 12 730 465 Leica MC170 HD camera kit
- 12 730 469 Leica DFC295 camera kit*
- 12 730 411 Leica DFC450 camera kit
- 12 730 412 Leica DFC450 C camera kit
- 12 730 471 Leica DFC495 camera kit
- 11 547 001 Leica DFC310 FX camera kit for Mac*
- 11 547 002 Leica DFC310 FX camera kit for PC
- 11 547 003 Leica DFC345 FX camera kit
- 11 547 004 Leica DFC365 FX camera kit
- 12 730 455 Leica DFC550 camera kit*
- 12 730 054 Leica IC D camera kit*
- 12 730 060 Leica IC 3D camera kit*

*Mac-Support

- 12 730 216 Leica IC80 HD camera (incl. USB cable and LAS EZ software) – not recommended for MZ10 F / M165 FC / M205 FA
- 12 730 228 Stand-alone kit (USB power pack, video cable, HDMI-cable, SD card, HD RC remote control) for ICD80 HD
- 12 730 229 Palm or foot switch with 2m cable for ICD80 HD

Digital camera system accessories

- 11 600 269 FireWire cable, FW-b-b, 2.5 m, 9-pin to 9-pin
- 11 600 254 FireWire cable, FW-a-b, 2.5 m, 6-pin to 9-pin
- 12 730 211 HDMI cable, 3m, HDMI both ends
- 12 730 446 FW-b Notebook Kit (includes PCcard Express, power supply: 100–240 V, 24 W, adapter FW-b-a)
- 12 730 447 OHCI FireWire PCI express card Low Profile, FW-b

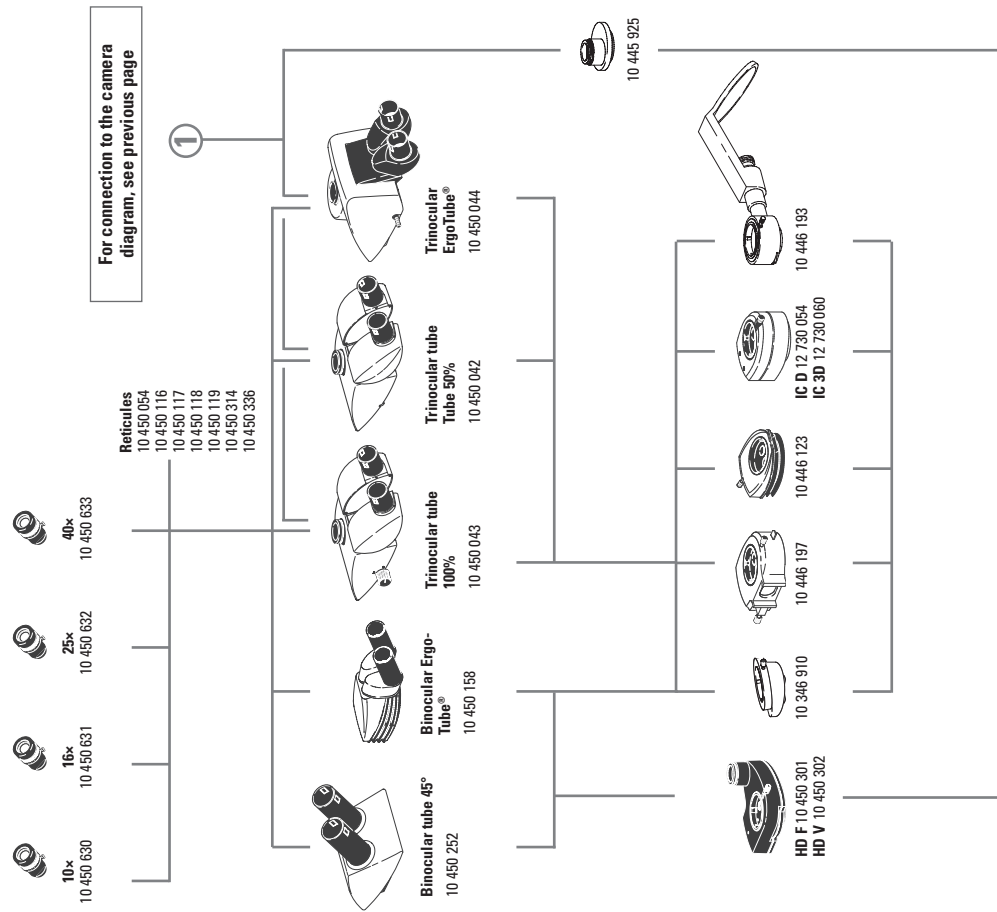
Photo tubes and C-mounts

- 10 447 319 Adapter T2, Canon EOS
- 10 447 436 1.6x DSLR tube with T2 thread (APS-C sensor)
- 10 446 175 2.5x DSLR tube with T2 thread (24x36 mm sensor)
- 10 445 928 0.32x video objective with C-mount for 1/3" digital cameras
- 10 450 528 0.5x video objective with C-mount for 1/2" digital cameras
- 10 447 367 0.63x video objective with C-mount for 2/3" digital cameras
- 10 446 307 0.8x video objective with C-mount for 2/3" digital cameras
- 10 445 930 1.0x video/photo objective
- 10 450 317 1.0x C-mount-adaptor for HC

Eyepieces and tubes

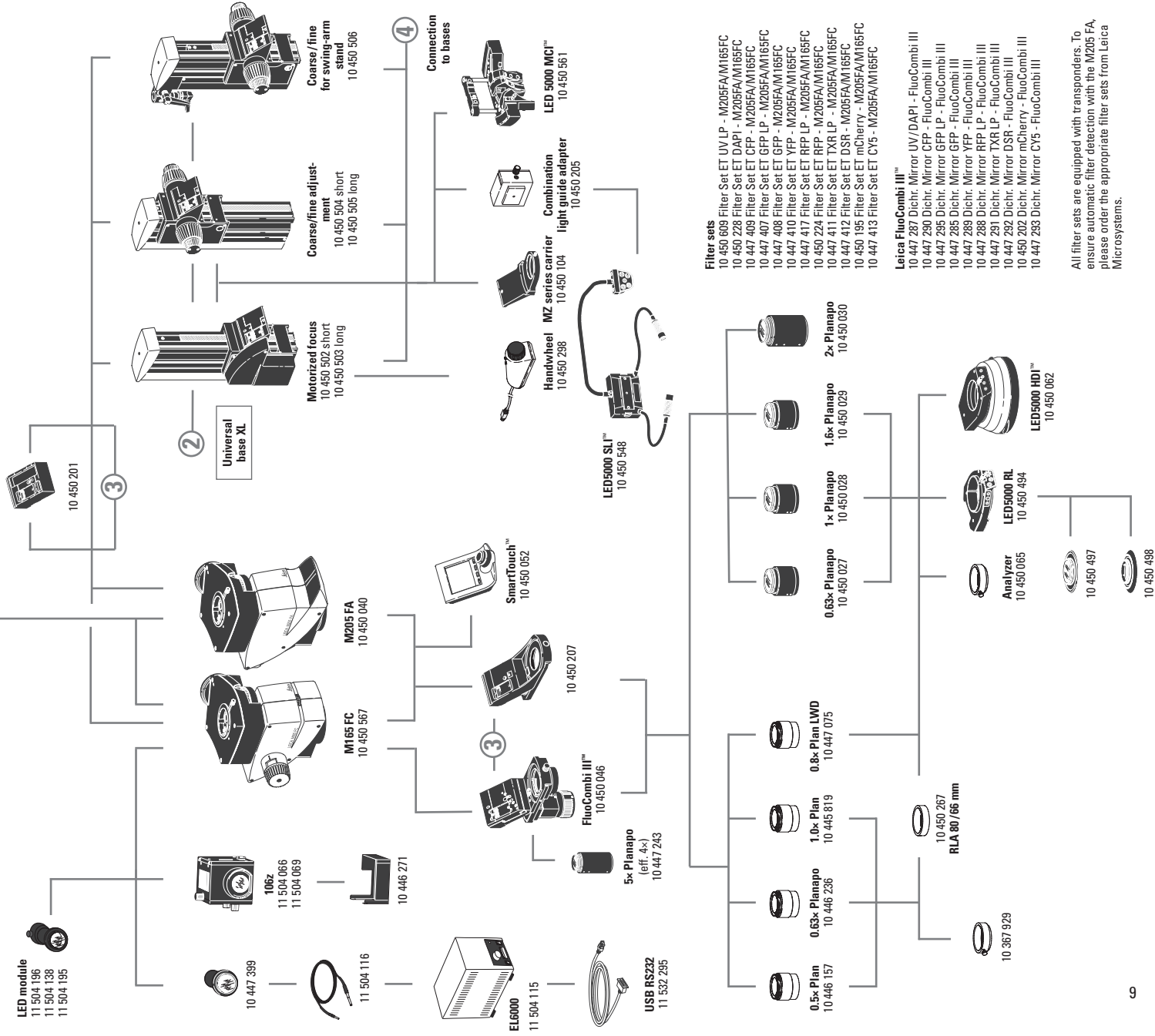
- 10 450 630 Wide-field eyepieces for eyeglass wearers 10x/23, distortion-free, dioptic correction, with eyecups*
- 10 450 631 Wide-field eyepieces for eyeglass wearers 16x/15, distortion-free, dioptic correction, with eyecups*
- 10 450 632 Wide-field eyepieces for eyeglass wearers 25x/9.5, distortion-free, dioptic correction, with eyecups*
- 10 450 633 Wide-field eyepieces for eyeglass wearers 40x/6, distortion-free, dioptic correction, with eyecups* replaceable
- 10 450 054 Reticule for M-series with encoding
- 10 450 116 Reticule, 5 mm / 0.05 mm
- 10 450 117 Reticule 10 mm / 0.1 mm
- 10 450 118 Graticule, 100 scale intervals / 0.001"
- 10 450 119 Reticule, crosshair

- 10 450 314 Plain glass plate with mount, with holder
 10 450 336 Reticle 12 mm
 10 450 252 Inclined binocular tube, 45° viewing angle
 10 450 158 Binocular ErgoTube® with variable 10° – 50° viewing angle
 10 450 042 Trinocular video / phototube 50 %, 30° viewing angle
 10 450 043 Trinocular video / phototube 100 %, 30° viewing angle
 10 450 044 Trinocular video / phototube 100 %, 5°–45° viewing angle
 10 446 123 ErgoWedge® 5° – 25°
 10 346 910 ErgoWedge® ±15
 10 446 197 Video/phototube HD-50
 10 450 301 Video/photo tube HD-F, 50 %, 50 %
 10 450 302 Video/photo tube HD-V, 100 %, 50 %, 50 %, 100 %
 12 730 054 Leica IC D camera kit
 12 730 060 Leica IC 3D camera kit
 10 445 925 Video/photo tube A
 10 446 193 Drawing tube
- Zoom systems and accessories**
 10 450 567 Leica M165 FC, 16.5:1 zoom, apochromatically corrected, TripleBeam™, elect. encoded, integrated filter system, man. fluorescent light shutter, UV protection screen, man. double-iris diaphragm (coded)
 10 450 040 Leica M205 FA, 20.5:1 zoom, apochromatically corrected, motorized, with FusionOptics™ and TripleBeam™, motorized and electric encoded filter system, auto fluorescent light shutter, UV protection screen, motorized and electric double-iris diaphragm and FIM
 10 450 207 Objective nosepiece for quickly changing between two objectives
 10 450 201 Ergo-Intermediate™ adapter
 10 450 046 FluoCombi III™, parfocal, parcentric objective nosepiece for parallax-free documentation
 10 450 104 Microscope carrier for MZ series optics carriers
- Objectives and optical accessories**
 10 450 027 Planapochromatic objective 0.63×, working dist. 67 mm, Ø 80 mm
 10 450 028 Planapochromatic objective 1.0×, working dist. 61.5 mm, Ø 80 mm
 10 450 029 Planapochromatic objective 1.6×, working dist. 30.5 mm, Ø 80 mm
 10 450 030 Planapochromatic objective 2×, working dist. 20.1 mm, Ø 85 mm
 10 447 243 5× planapochromatic objective, working distance 19 mm
 10 446 157 Use only with FluoCombi III™ with factor 0.8 = 4×
 10 446 157 Planapochromatic objective 0.5×, working distance 135 mm, Ø 66 mm
 10 446 236 Planapochromatic objective 0.63×, working dist. 97 mm, Ø 66 mm
 10 447 075 Planapochromatic objective 0.8×, working distance 112 mm, Ø 80 mm
 10 445 819 Planapochromatic objective 1×, working distance 59 mm, Ø 66 mm
 10 450 065 Analyzer in revolving mount, for planachromatic and planapochromatic Ø 80 mm
 10 367 929 Analyzer in revolving mount for planachromatic and planapochromatic Ø 66 mm



LED module

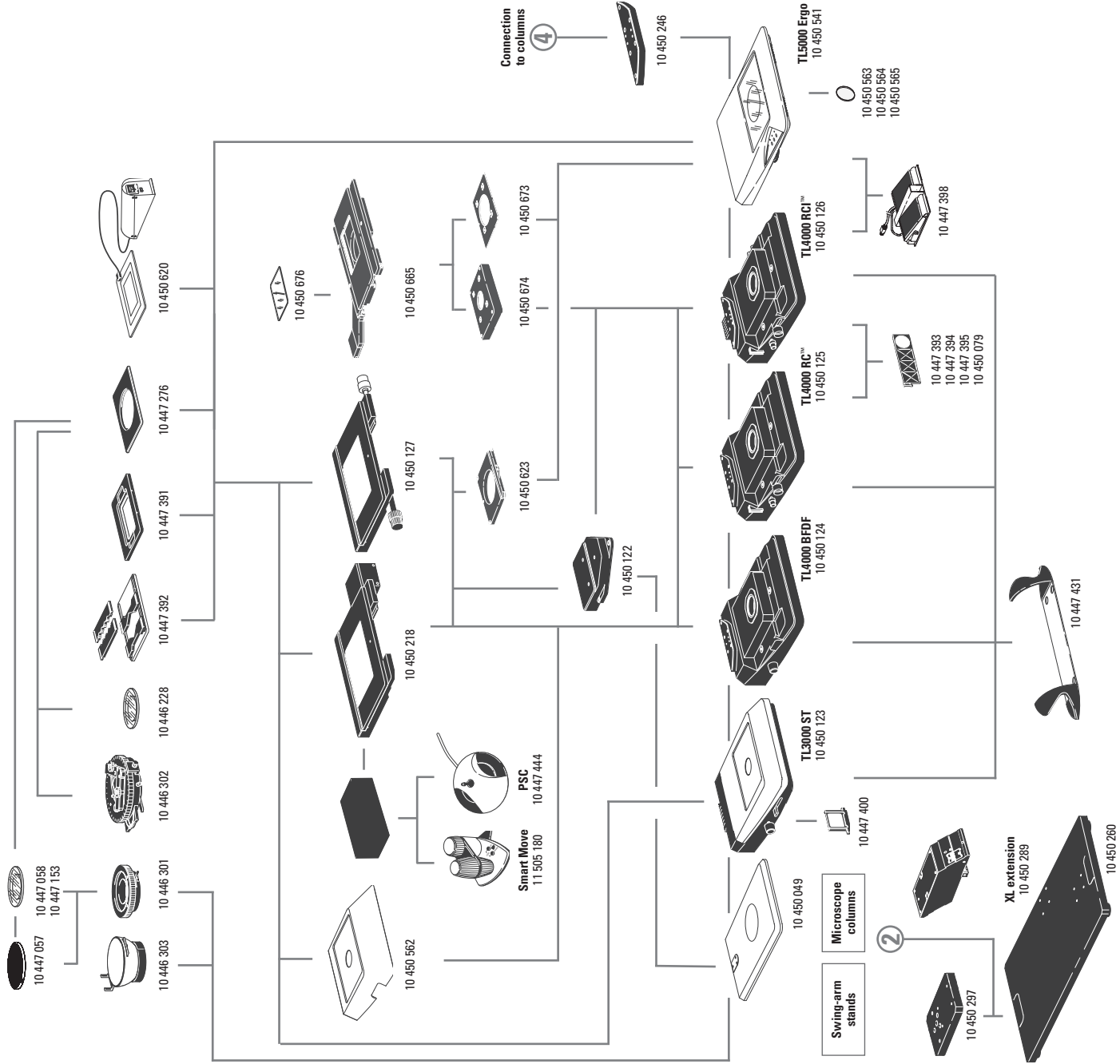
11 504 196
11 504 138
11 504 195



10 450 079 Daylight filter for base TL4000 RC![™]
 10 450 541 Transmitted light base TL5000 Ergo with integrated LED illumination, automatic contrasting, HF, double-sided DF and RC
 10 450 563 Milk-glass filter for base TL5000 Ergo
 10 450 564 Green filter for base TL5000 Ergo
 10 450 565 Polarization filter for base TL5000 Ergo
 10 450 246 Fluo adapter plate between column and transmitted light base
 10 450 260 Universal base XL for specimens up to 300 × 300 mm
 10 450 297 Adapter for base 10 450 260 for all swinging-arm columns
 10 450 289 XL extension – for positioning Leica stereomicroscopes on universal base 10 450 260
 10 447 431 Leica ErgoRest[™] handrest for fatigue-free working

Stages

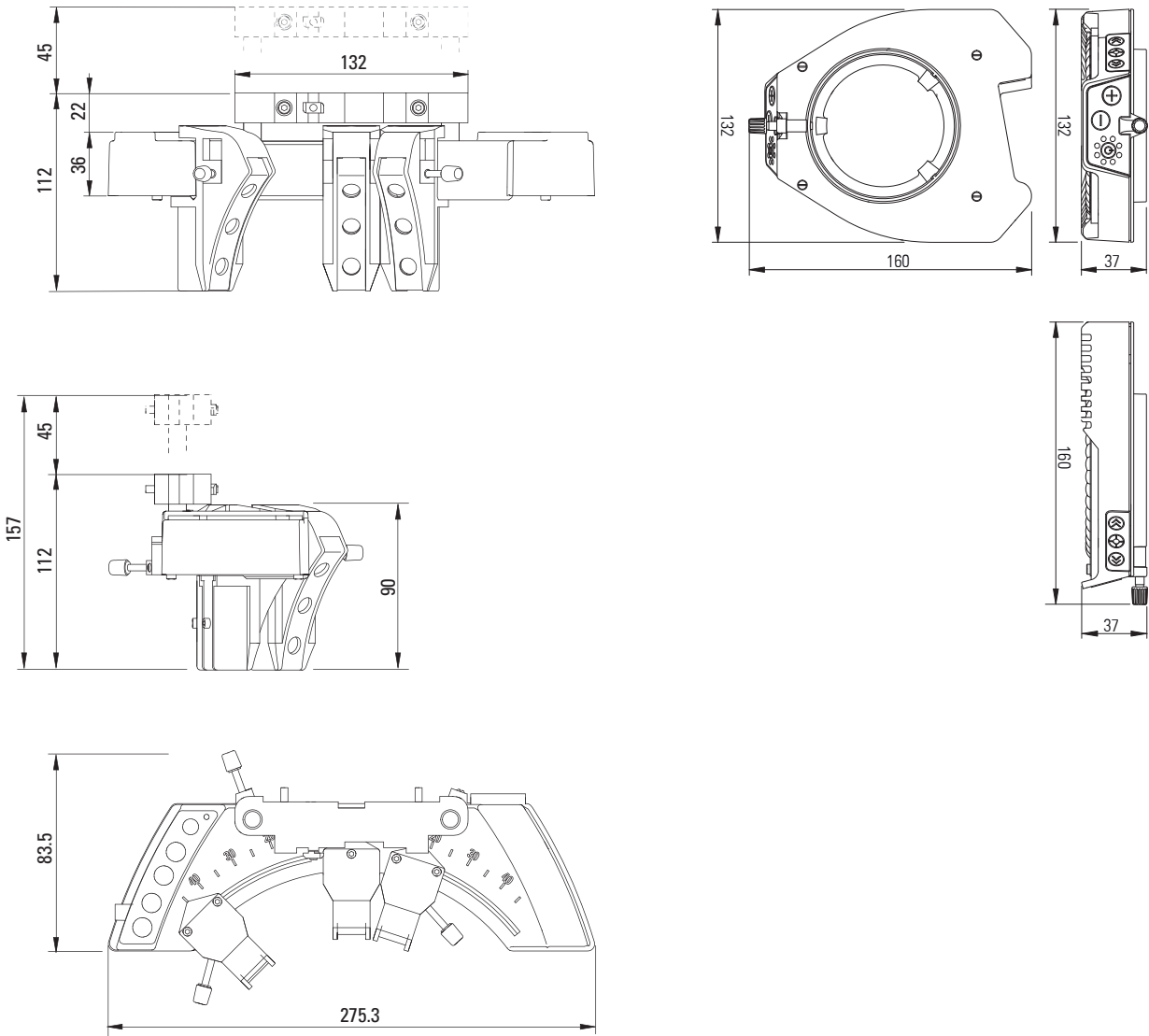
10 450 562 Standard stage for transmitted light bases TL4000 BFDf, TL4000 RC[™] and TL4000 RC![™]
 10 450 665 Scanning stage with linear motors and absolute measuring system
 10 450 673 Stage Adapter for TL5000 Ergo
 10 450 674 Stage Adapter for TL4000 Series
 10 450 676 glass insert for scanning stage 10 450 665
 10 450 127 Leica IsoPro[™] Manual Cross Stage for transmitted light bases TL4000 BFDf, TL4000 RC[™], TL4000 RC![™] and incident light base (with adapter 10 450 122)
 10 450 218 Leica IsoPro[™] Motorized Cross-stage for transmitted light bases TL4000 BFDf, TL4000 RC[™], TL4000 RC![™] and incident light base (with adapter 10 450 122)
 10 450 122 Adapter between cross-stage and incident-light base 10 450 049
 10 450 623 Adapter between cross-stages 10 450 218 / 10 450 127 and TL5000 Ergo
 10 450 620 Leica MATS TL heating stage insert with control unit for TL bases
 10 447 276 Adapter for stages with Ø 120 mm
 10 447 391 Stage for LiveOnStage accessories
 10 447 392 Universal carrier for Petri dishes, specimen slides (up to four) etc.
 10 446 301 Gliding stage, Ø 120 mm
 10 447 153 Glass plate matte, Ø 120 mm
 10 450 057 Stage plate black/white, Ø 120 mm
 10 450 058 Stage plate b/w for TL bases, Ø 120 mm
 10 446 302 Polarization stage, Ø 120 mm
 10 382 130 Attachable mechanical stage for polarization stage
 10 361 719 Red compensator 1 for Pol rotating stage
 10 446 303 Cup stage, Ø 120 mm
 33 000 600 Cup stage, Ø 120 mm, surface Ø 150 mm, revolving
 10 446 228 Glass insert with Pol, Ø 120 mm
 10 450 059 Additional buttons for IsoPro[™] Manual Cross-stage



LED5000 MCI™

LED5000 RL

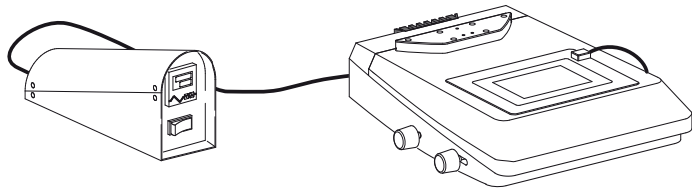
Dimensions in mm



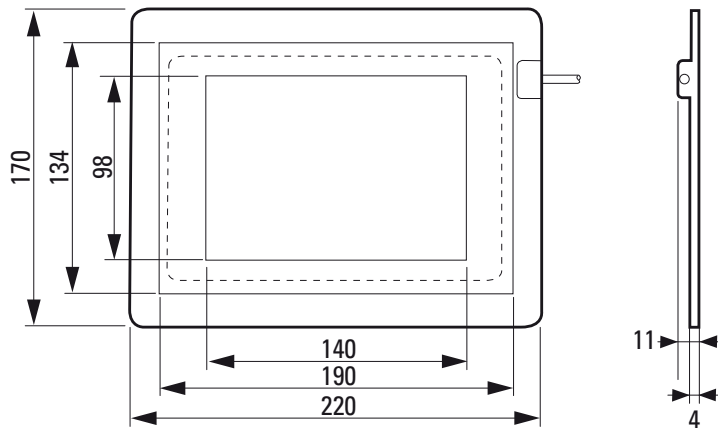
Leica MATS TL Heating Stage

Dimensions and article numbers

Dimensions in mm

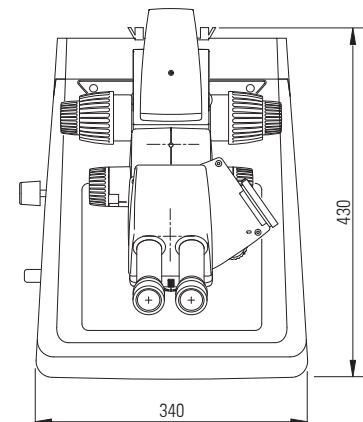
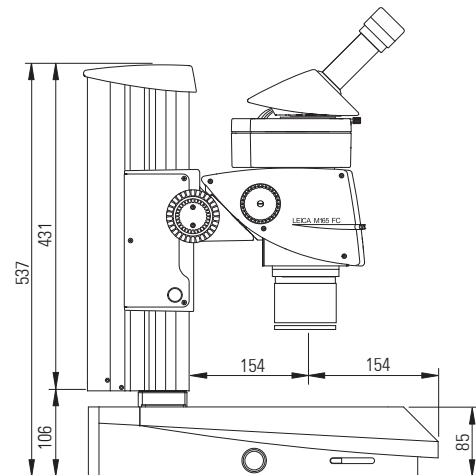
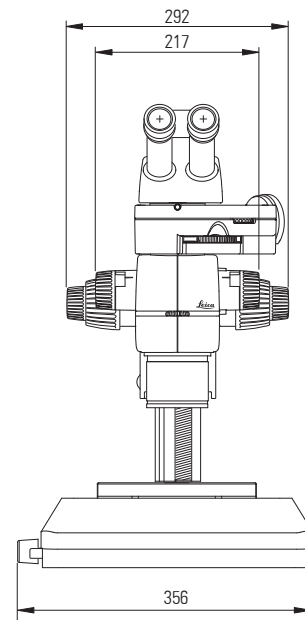


10 450 620 Heating stage for stereomicroscopes of the Leica M series with transmitted light bases TL3000 ST, TL4000 BDFD, TL4000 RC/RCI™ and TL5000 Ergo



Maße Leica M165 FC

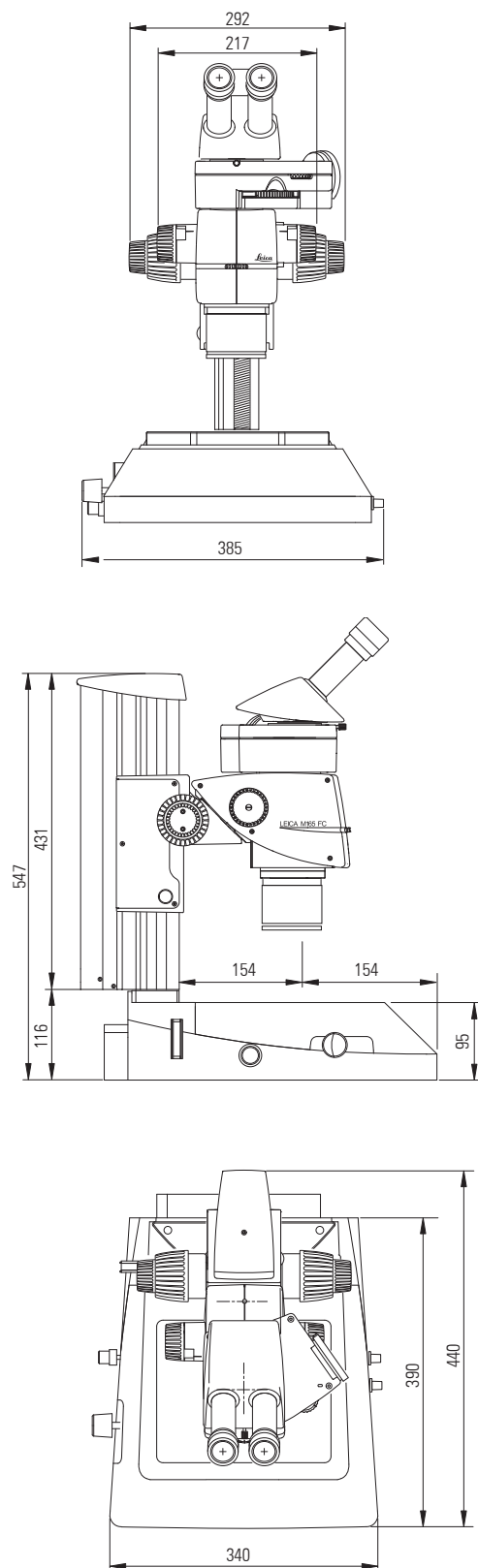
with TL3000 ST transmitted-light base and manual focus



Leica M165 FC Dimensions

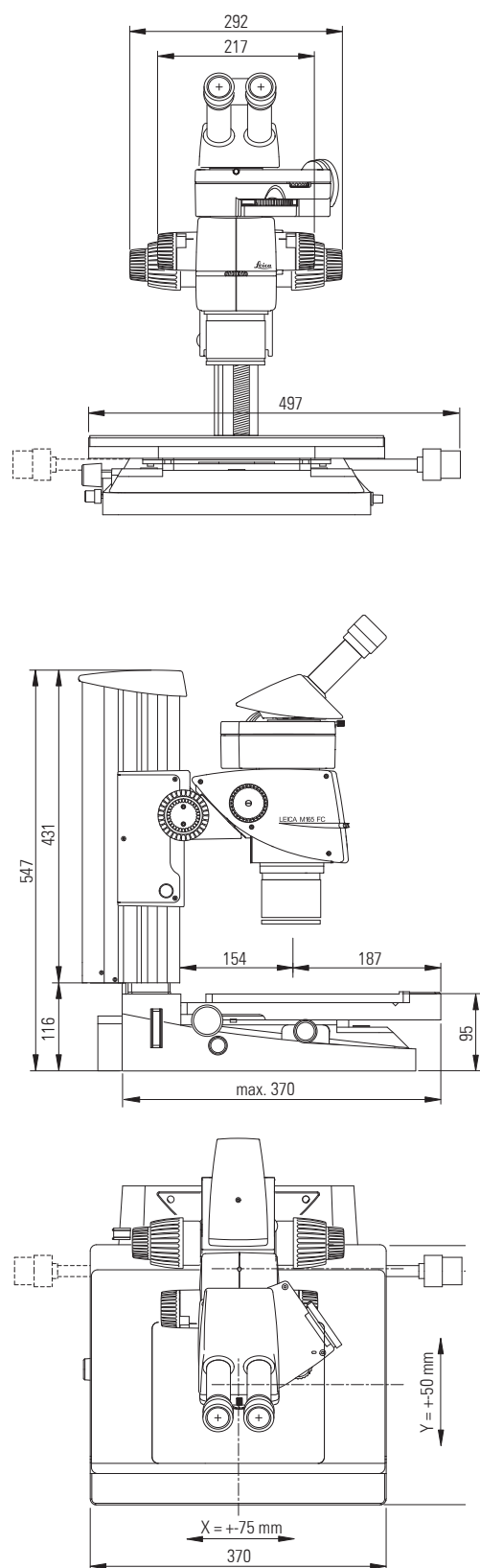
with transmitted light stand TL4000 RCI™ and manual focus

Dimensions in mm



Leica M165 FC Dimensions

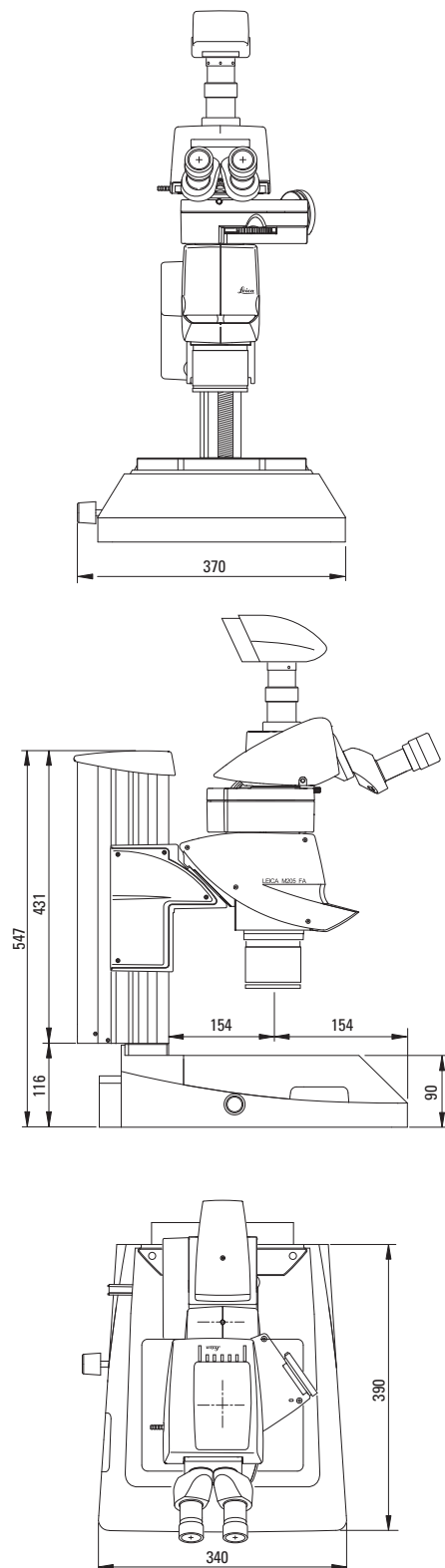
with TL RCI™ transmitted light stand, manual Leica IsoPro™ cross-stage and manual focusing drive



Leica M205 FA Dimensions

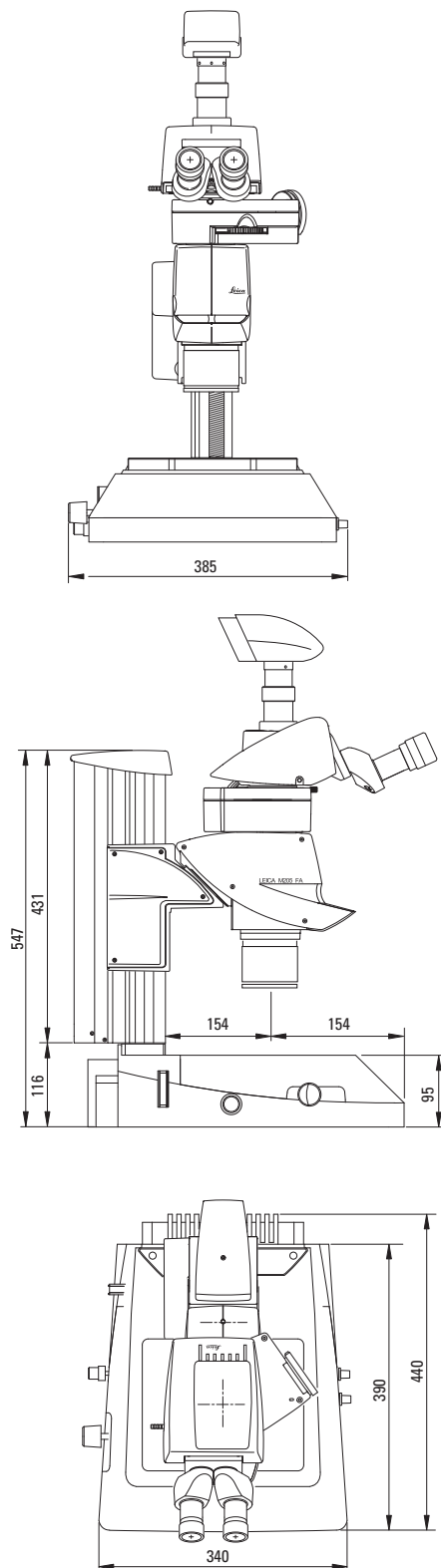
with transmitted light stand TL4000 BFDF, trinocular ErgoTube™, DFC camera and motorized focusing drive

Dimensions in mm



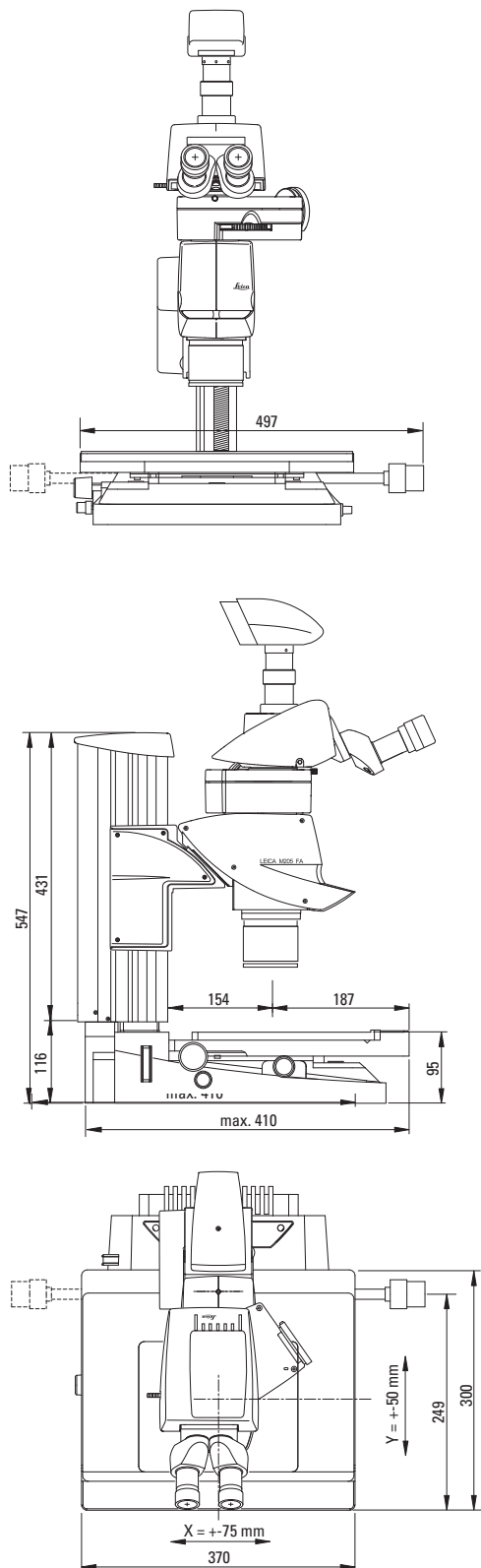
Leica M205 FA Dimensions

with transmitted light stand TL4000 RCI™, trinocular ErgoTube™, DFC camera and motorized focusing drive



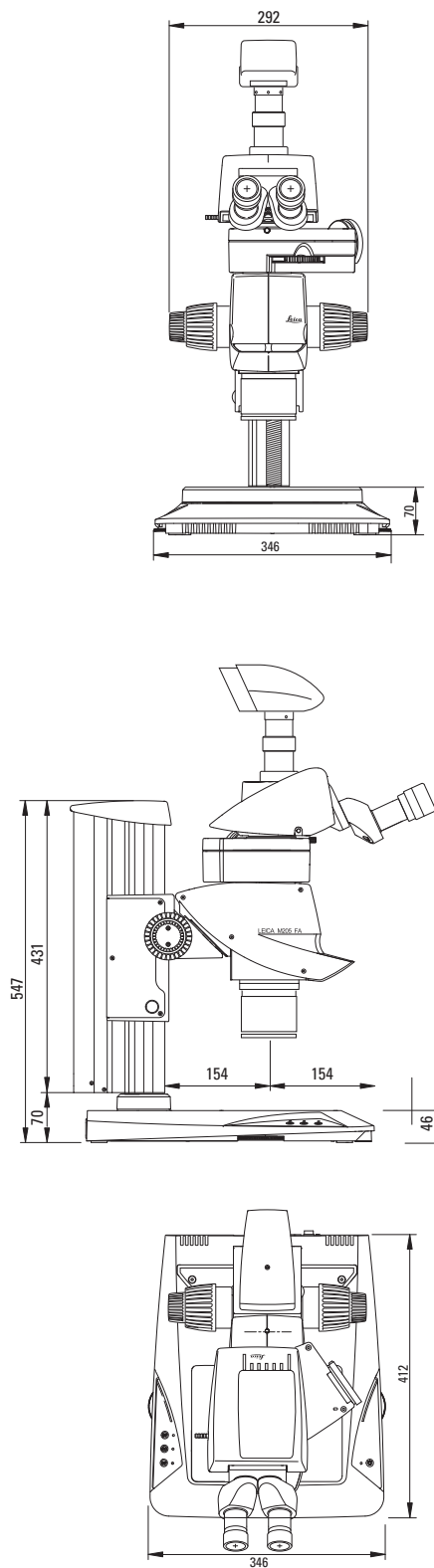
Leica M205 FA Dimensions

with transmitted light stand TL4000 RCI™, IsoPro™ cross-stage, trinocular ErgoTube™, DFC camera and mot. focusing drive



Leica M205 FA Dimensions

with transmitted light stand TL5000 Ergo, trinocular ErgoTube™, DFC camera and man. focusing drive



The statement by Ernst Leitz in 1907, “*With the User, For the User,*” describes the fruitful collaboration with end users and driving force of innovation at Leica Microsystems. We have developed five brand values to live up to this tradition: Pioneering, High-end Quality, Team Spirit, Dedication to Science, and Continuous Improvement. For us, living up to these values means: *Living up to Life.*

Leica Microsystems operates globally in three divisions, where we rank with the market leaders.

LIFE SCIENCE DIVISION

The Leica Microsystems Life Science Division supports the imaging needs of the scientific community with advanced innovation and technical expertise for the visualization, measurement, and analysis of microstructures. Our strong focus on understanding scientific applications puts Leica Microsystems’ customers at the leading edge of science.

INDUSTRY DIVISION

The Leica Microsystems Industry Division’s focus is to support customers’ pursuit of the highest quality end result. Leica Microsystems provide the best and most innovative imaging systems to see, measure, and analyze the microstructures in routine and research industrial applications, materials science, quality control, forensic science investigation, and educational applications.

MEDICAL DIVISION

The Leica Microsystems Medical Division’s focus is to partner with and support surgeons and their care of patients with the highest-quality, most innovative surgical microscope technology today and into the future.

Leica Microsystems – an international company with a strong network of worldwide customer services:

Active worldwide		Tel.	Fax
Australia · North Ryde	+61	2 8870 3500	2 9878 1055
Austria · Vienna	+43	1 486 80 50 0	1 486 80 50 30
Belgium · Diegem	+32	2 790 98 50	2 790 98 68
Canada · Concord/Ontario	+1	800 248 0123	847 405 0164
Denmark · Ballerup	+45	4454 0101	4454 0111
France · Nanterre Cedex	+33	811 000 664	1 56 05 23 23
Germany · Wetzlar	+49	64 41 29 40 00	64 41 29 41 55
Italy · Milan	+39	02 574 861	02 574 03392
Japan · Tokyo	+81	3 5421 2800	3 5421 2896
Korea · Seoul	+82	2 514 65 43	2 514 65 48
Netherlands · Rijswijk	+31	70 4132 100	70 4132 109
People’s Rep. of China · Hong Kong	+852	2564 6699	2564 4163
· Shanghai	+86	21 6387 6606	21 6387 6698
Portugal · Lisbon	+351	21 388 9112	21 385 4668
Singapore	+65	6779 7823	6773 0628
Spain · Barcelona	+34	93 494 95 30	93 494 95 32
Sweden · Kista	+46	8 625 45 45	8 625 45 10
Switzerland · Heerbrugg	+41	71 726 34 34	71 726 34 44
United Kingdom · Milton Keynes	+44	800 298 2344	1908 246312
USA · Buffalo Grove/Illinois	+1	800 248 0123	847 405 0164