

Living up to Life

Leica
MICROSYSTEMS

Leica DVM2500 and DVM5000 HD

Specifications



Leica DVM2500 Camera

Name	Item
Digital camera	
Camera type	Digital camera for microscopy with control software
Sensor	Interline progressive scan CCD
Sensor type/size	1/1.8 inches
Color filter	RGB Bayer Mosaic
Protective filter	UV/IR barrier filter
Shutter control	Electronic global shutter/Progressive scan readout
Pixel resolution	1600 × 1200
Max. scalable resolution (PC only)	2436 × 1854 pixels
Pixel size	4.4 μm × 4.4 μm
Color depth	3 × 12-bit
A/D converter	14-bit
Readout noise	0 < 0.75 LSB (8-bit, slow)
Exposure time	4 μsec – 1 sec
Gain control/gain	0 – 20 dB
Shading correction	Yes, stored for all formats
Image section (ROI)	Genuine partial image scan for higher image rates
Live image	
Full Screen	1600 × 1200
2 × 2 binning	800 × 600
Minimum system requirements for PC	Core2 Duo 2 GHz / Core i7 (Windows Experience Index ≥ 4), system memory ≥ 2 GB RAM, 7200 rpm SATA hard disk drive, FireWire B port or available PCI Express slot
Supported operating systems	Windows XP Service Pack 2, Windows Vista (Ultimate recommended), Windows 7
Interfaces	
Optical	Leica VZ Zoom Interface
Camera port	FireWire™ – IEEE1394b and IEEE1394a compatible
Technical data and operating environment	
Energy consumption	< 3.6 watts
Power supply	via IEEE1394b (9-pin)
Housing	Aluminum
Dimensions	See dimensional drawings
Weight	220 g
Operating temperature	+10 °C – +40 °C
Relative humidity	10 – 90% non-condensing

Leica DVM2500 Control Unit – Specifications

Name	Item	
Light source	Light source	LED
	Service life	30,000 hours
	Color temperature	4500 K
Interfaces	Light guide	Connection adapter \varnothing 13.75 mm (active cross-section \varnothing 6 mm)
	USB	USB 2.0 type B
	External illumination	Built-in control for LED transmitted illumination 10 450 432
	Power supply	Socket for DC current power supply
	Focus control	Built-in control for motorized focus, 0.050 μ m resolution
	Rotary head	Built-in control for rotary head
	Peripheral devices	3 Leica CTL2 terminals
	ACS connector	Specific interface for ACS terminal
	Control panel	Membrane keyboard for illumination control
Technical data and operating environment	Power consumption	33 V / 2.1 A
	Power supply	100 – 240 V AC, 50/60 Hz
	Dimensions	See dimensional drawings
	Weight	3.1 kg (power supply is an additional 0.8 kg)
	Operating temperature	+10 °C – +40 °C
	Storage temperature	–20 °C – +52 °C
	Relative humidity	10 – 90% non-condensing

Leica DVM5000 HD – Specifications

Name		Item
Camera	Image pickup device	1/1.8 inch CCD (2.11 million pixels)
	Scanning method	Progressive scanning method
	Total number of pixels	Approx. 2.11 million, 1688 (H) × 1248 (V)
	Number of effective pixels	Approx. 2.01 million, 1600 (H) × 1200 (V)
	Frame rate	24 images/second (FPS) @ 1600×1200
	Electronic shutter	AUTO (1/24 to 1/100 000), MANUAL (1/15000, 1/8000, 1/4000, 1/2000, 1/1000, 1/500, 1/250, 1/100, 1/60, 1/24, 1/8, 1/4, 1/2, 1, 2, 4, 8), freely selectable shutter (17 – 1/100 000)
	Gain	MANUAL (0, 3, 6, 9, 12 dB), AUTO (0 – 6 dB), OFF
	White balance	AUTO (One-push), MANUAL (R, B)
	Image adjustment	Gamma correction, color correction, edge enhancement
LCD monitor	Screen size	21.5-inch TFT color liquid crystal display
	Pixel pitch	0.248 (H) × 0.248 (V) mm
	Number of pixels on the screen	1920 (H) × 1080 (V) (Full HD)
	Luminance	300 cd/m ² (Standard)
	Contrast ratio	1000:1 (standard)
	Maximum viewable angle	Horizontal: 170° Vertical: 160° (standard)
Light source	Light source	LED
	Service life	30,000 hours
	Color temperature	5700K
Interfaces	Monitor output	Analog RGB, display port
	USB 2.0	4× rear, 2× side
	LAN	10BASE-T, 100BASE-TX, 1000BASE-T
	AUX	RS-232C connector
	Mouse / keyboard	USB 2.0
	Focus control	Built-in control for motorized focus, 0.050 μm resolution
	Rotary head	Built-in control for rotary head
	Control panel	Specific interface for control panel
	ACS connector	Specific interface for ACS terminal

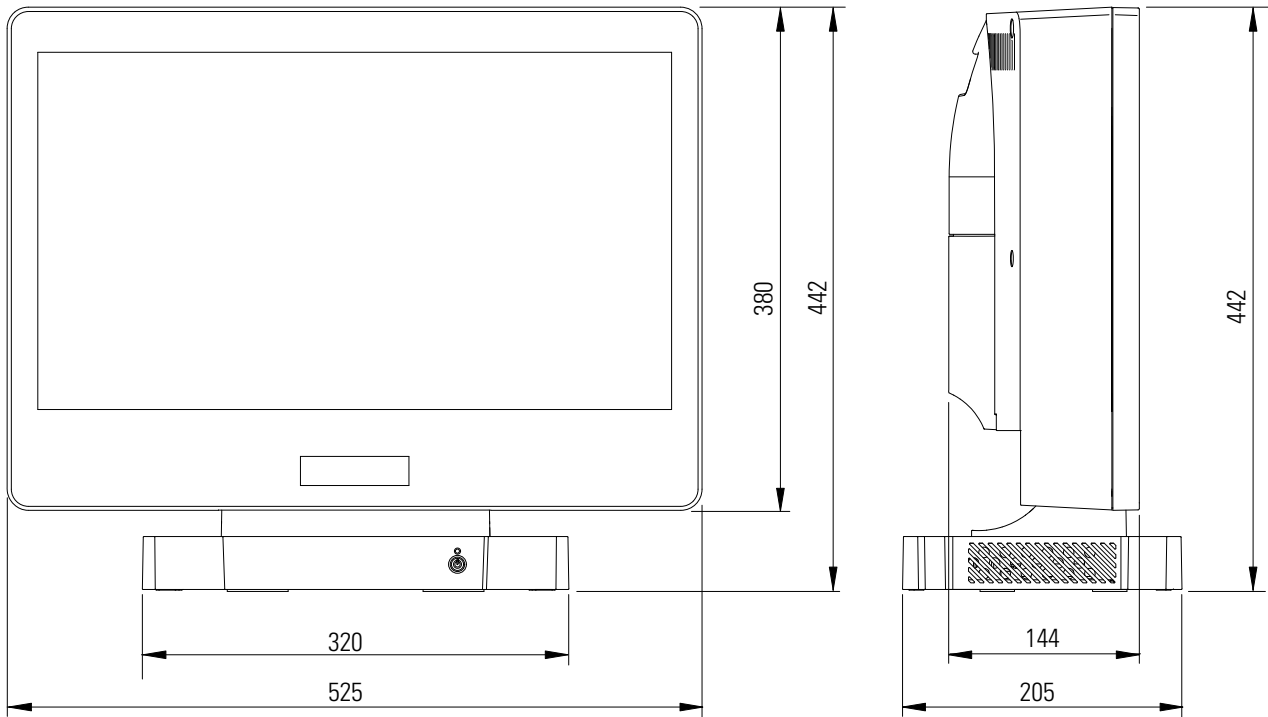
Leica DVM5000 HD – Specifications

Name		Item
Recording	Hard disk drive	320 GB (including system memory)
	CD/DVD burner	Optional: External drive connected via USB 2.0
	Still image format	When not compressed: TIFF (EXIF-compliant), BMP When compressed: JPEG (EXIF-compliant)
	Compress mode	JPEG: FINE, STANDARD, High COMP, MAX COMP
	Number of recording pixels for still image	Normal: 1600×1200, 1280×960, 1024×768, 800×600, 640×480, 320×240 High resolution: 6400×4800, 4800×3600, 3200×2400, 2400×1800
	Video recording format	AVI (uncompressed)
	Video resolution	1600×1200 (24 FPS), 800×600 (24 FPS)
Tools	Image adjustment	Contrast adjustment, edge enhancement, noise reduction, grayscale image, binary
	Observation tool	Focus control, focus display function, digital real-time zoom, screen division (2× vertical or horizontal, 4×, separate measuring functions for each display segment)
	Tiling	Extension of the object field for 2D and 3D images in real time, max. 10,000×10,000 pixels
	Measurement	Automatic measurement (surface, perimeter, width), distance measurement (between two points, circles, parallels, X and Y, vertical lines), area measurement, circle measurement, angle measurement, counting, comment, saving measurements, height measurement, 2D/3D profile measurement, 3D analysis (roughness, profile analysis, volume measurement)
	Autofocus	Focus mapping for quick updates
	User administration	User groups with adaptable access rights
	Report	Easy Report Wizard with adaptable template, export function for measurements
Control panel		Optional control panel with touchscreen for improved user ergonomics

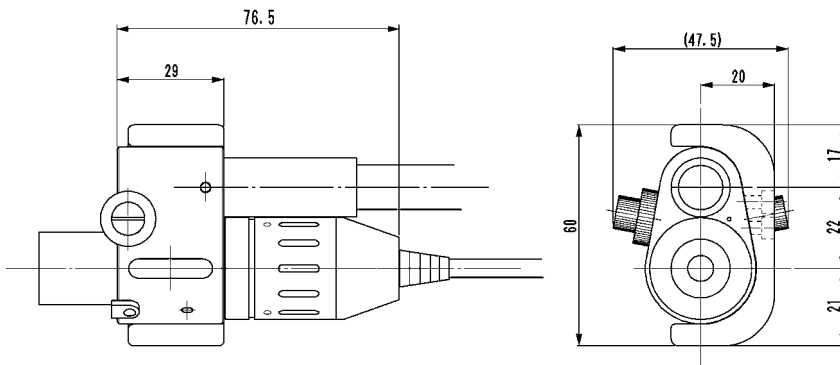
General Specifications

Name	Item
Nominal voltage	100 to 240 V AC, 50/60 Hz
Power consumption	400 W
Ambient temperature	5 °C to +40 °C (with no icing or condensation)
Storage temperature	–15 °C to +50 °C (with no icing or condensation)
Relative humidity	25 % to 85 % (with no condensation)
Environment	No corrosive gases

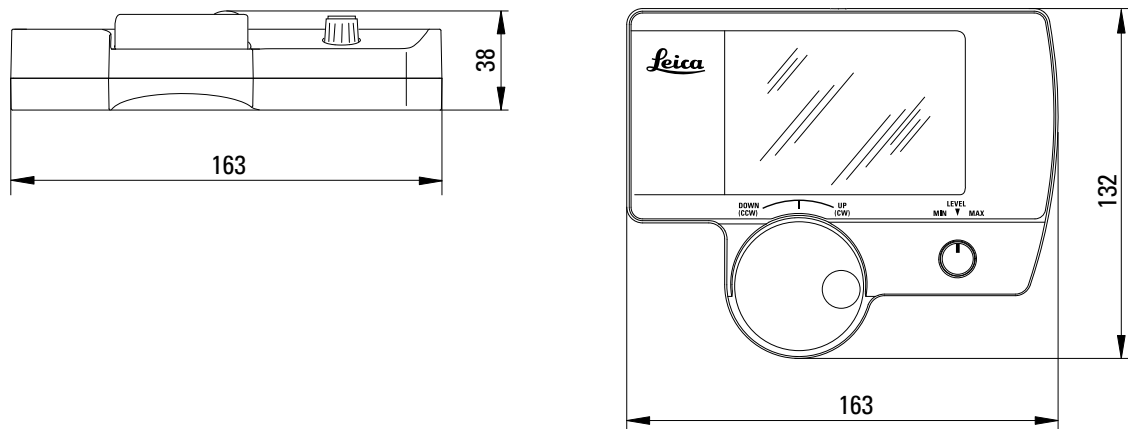
Leica DVM5000 HD – Dimensions



Glass Fiber Coupled Camera for DVM5000 HD

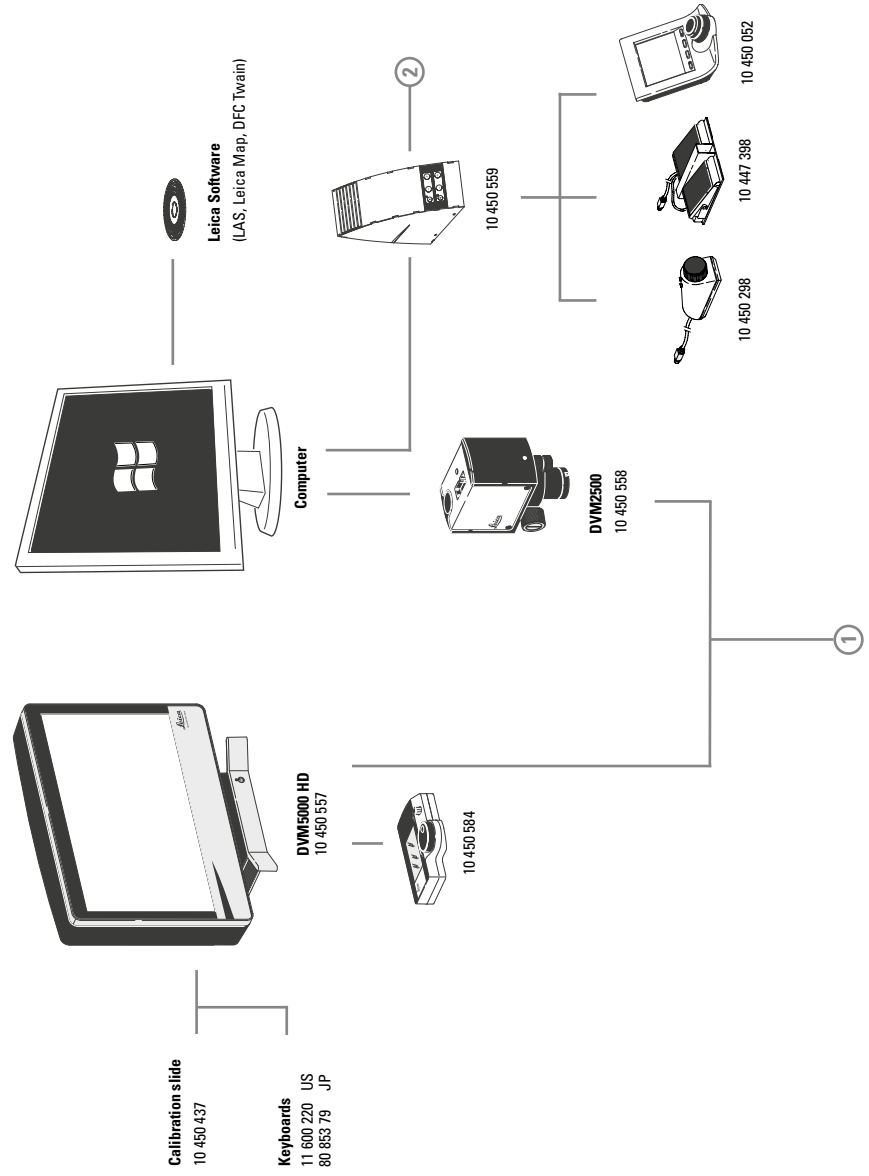


Control Panel for DVM5000 HD

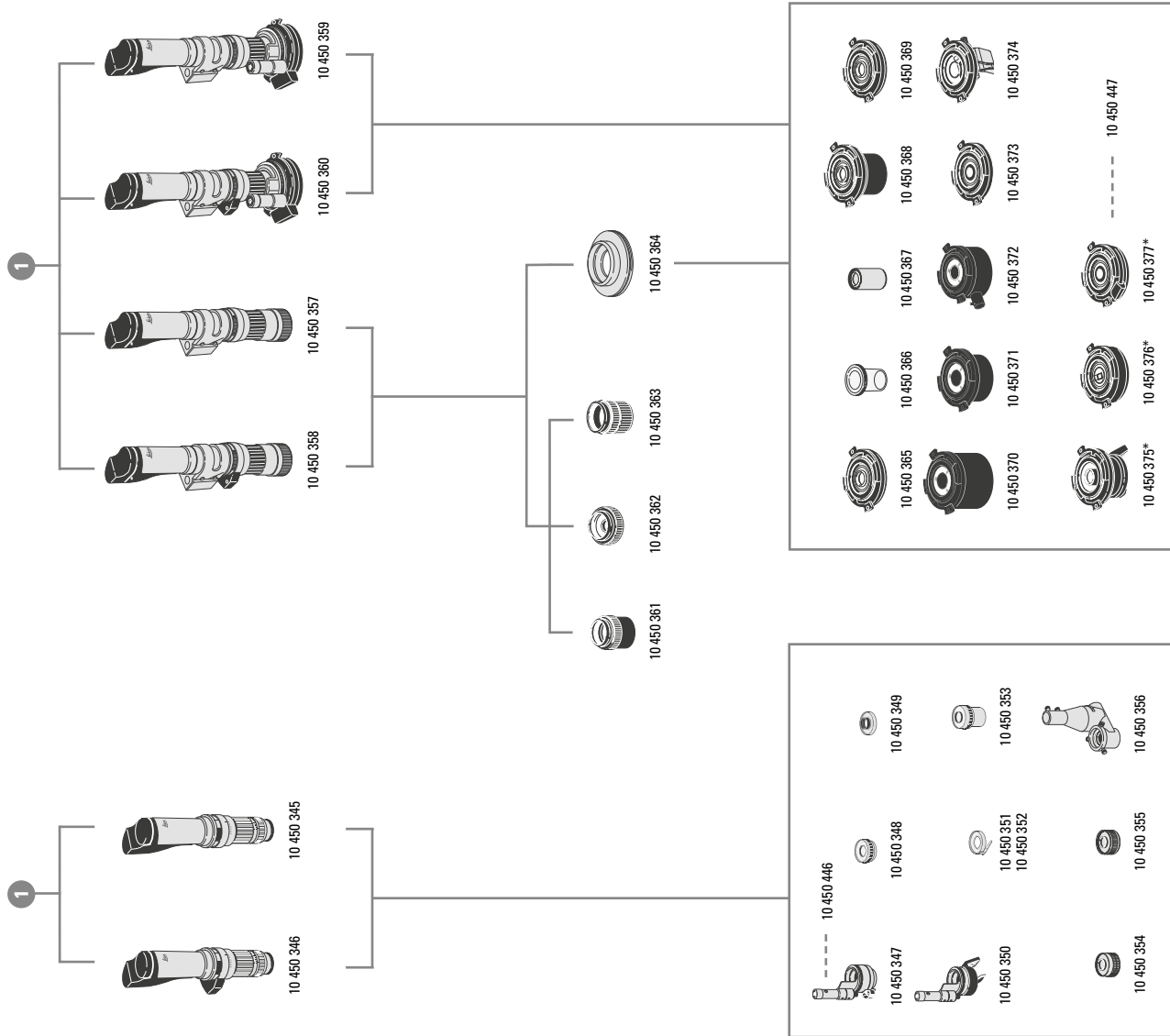


ARTICLE DESCRIPTIONS

- 10 450 557 Leica DVM5000 HD – digital video microscope, 21.5 inch Full HD screen, integrated LED light source, CCD camera with 2.11 megapixels, light guide, 2D measurements, 3D viewing and -measurements, SmartTiling™ software, freeze image, video and time lapse acquisition
- 10 450 584 Control panel for DVM5000 HD, with touchscreen
- 10 450 437 DVM5000 calibration slide
- 11 600 220 Keyboard for DVM5000 HD, layout: USA
- 80 853 79 Keyboard for DVM5000 HD, layout: Japan
- 10 450 558 Leica DVM2500, color digital camera for DVM, 2.11 megapixels, FireWire IEEE1394b, including FireWire card and cable
- 10 450 559 DVM control unit, interface and control unit for DVM2500, with integrated LED illumination, including light guide for DVM2500, connection for SmartTouch™, manual control and foot switch
- 10 450 052 SmartTouch™, control unit with integrated touchscreen
- 10 450 298 Manual controller for motorized focus
- 10 447 398 Foot switch
- 12 730 447 FireWire card (FWb), PCI Express, for connecting DVM2500 to a PC – NOTICE: Included in the DVM2500 delivery package
- 12 730 186 FireWire cable FWb, 3 m
NOTICE: Included in the DVM2500 delivery package

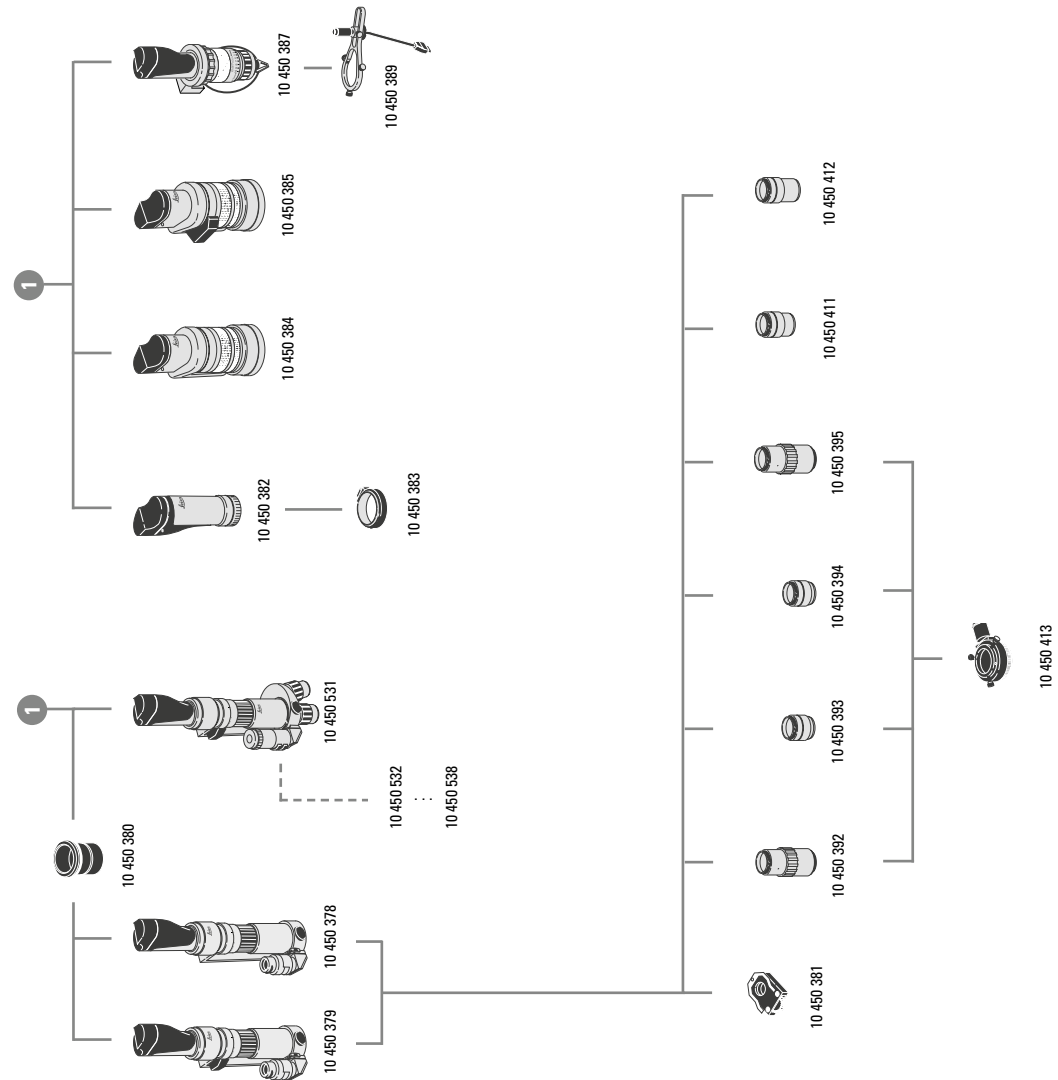


- 10 450 346 VZ75 C Zoom, encoded, 20x – 160x magnification, contact adapter, variable lighting adapter and contact adapter
- 10 450 345 VZ75 Zoom, 20x – 160x magnification, contact adapter, variable lighting adapter and contact adapter
- 10 450 357 VZ80, 50x – 400x zoom
- 10 450 358 VZ80 C, 50x – 400x zoom, encoded
- 10 450 359 VZ80 R, zoom (50x – 400x), motorized rotary head
- 10 450 360 VZ80 RC, zoom (50x – 400x), motorized rotary head, encoded
- 10 450 347 Rotary head adapter for 20x – 160x zoom VZ75 & VZ75 C, 360° rotational inspection with 45° viewing angle
- 10 450 446 Diffuser for rotary head adapter 10 450 347
- 10 450 348 LowMag (0.3x) adapter, screw-on type, 6x – 48x
- 10 450 349 HighMag (2x) adapter, screw-on type, 40x – 320x
- 10 450 350 LowMag rotary head adapter (0.3x), screw-on type, 360° rotational inspection at 45° viewing angle
- 10 450 351 L-shaped side view adapter (small), screw-on type, dark field vertical illumination, mirror size 10x35 mm
- 10 450 352 L-shaped side view adapter (large), screw-on type, dark field vertical illumination, mirror size 19x35 mm
- 10 450 353 Diffuser, screw-on type
- 10 450 354 Adapter for high magnifications (2x) and variable lighting (40x – 320x), screw-on type
- 10 450 355 Polarizing adapter, screw-on type
- 10 450 356 Coaxial illumination adapter, for polished and shining specimens, working distance: 10.5 mm
- 10 450 361 Adapter for low magnifications (0.4x) for VZ80 & VZ80 C
- 10 450 362 Adapter for high magnifications (2x) for VZ80 & VZ80 C
- 10 450 363 Adapter for high magnifications and variable lighting, for VZ80 & VZ80 C
- 10 450 364 Adapter for VZ80 and VZ80 C for the use of snap-on adapters from VZ80 R and VZ80 RC
- 10 450 365 Non-contact adapter, snap-on type for VZ80 R & VZ80 RC included in the standard delivery of VZ80 R and VZ80 RC
- 10 450 366 Diffuser adapter for 10 450 365
- 10 450 367 Contact adapter for 10 450 365
- 10 450 368 LowMag (0.4x) straight view adapter, snap-on type, 20x – 160x
- 10 450 369 HighMag (2x) straight view adapter, snap-on type, 100x – 800x
- 10 450 370 Adapter for variable illumination angle, snap-on type, illumination angle: 30° – 65°, working distance: 6 – 21 mm
- 10 450 371 Adapter for high magnifications and variable illumination angle, snap-on type, 100x – 800x
- 10 450 372 Straight view coaxial adapter, snap-on type, for viewing polished and shining specimens
- 10 450 373 Polarizing filter, snap-on type
- 10 450 374 Lift-off adapter, snap-on type
- 10 450 375 LowMag (0.4x) rotary head adapter, snap-on type, 30° viewing angle, 20x – 160x
- 10 450 376 HighMag (2x) rotary head adapter, snap-on type, 100x – 800x
- 10 450 377 Rotary head adapter, snap-on type, with variable viewing angle 25° / 35° / 45° / 55°
- 10 450 447 Diffuser for rotary head adapter 10 450 377



* Only for 10 450 360 / 10 450 359

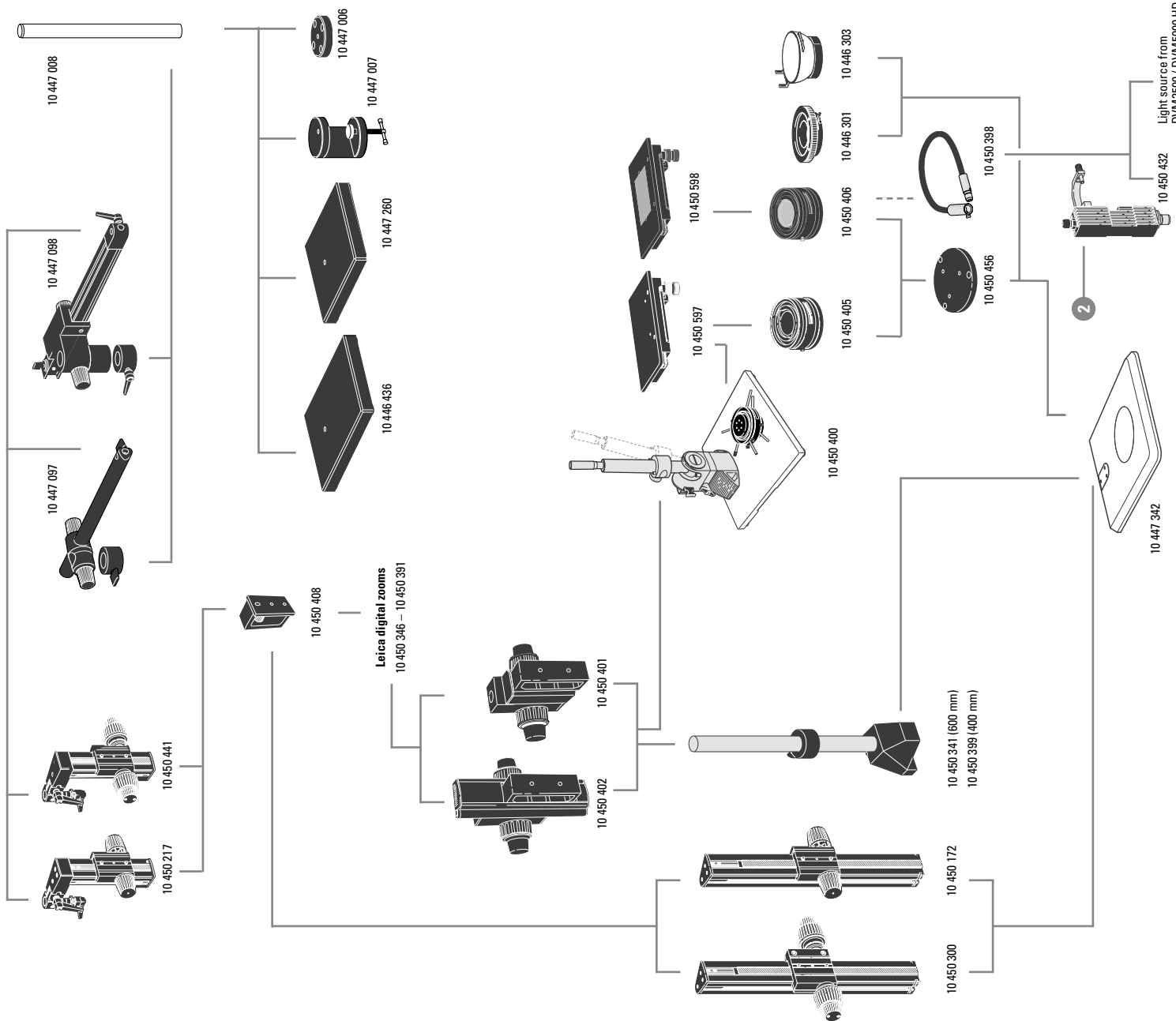
- 10 450 378 VZ100, coaxial, 10:1 zoom, 35x – 7000x magnification (depending on objective used)
- 10 450 379 VZ100 C, coaxial, 10:1 zoom, encoded, 35x – 7000x magnification (depending on objective used)
- 10 450 380 Polarizer for VZ100 & VZ100 C
- 10 450 381 Optical rotary adapter for VZ100 & VZ100 C, for producing pseudo-3D effects
- 10 450 392 Objective 35x for VZ100, VZ100 C, working distance: 34 mm
- 10 450 393 Objective 70x for VZ100, VZ100 C, working distance: 21 mm
- 10 450 394 Objective 140x for VZ100, VZ100 C, working distance: 30.5 mm
- 10 450 395 Objective 140x for VZ100, VZ100 C, working distance: 12 mm
- 10 450 411 Objective 350x for VZ100, VZ100 C, working distance: 10.6 mm
- 10 450 412 Objective 700x for VZ100, VZ100 C, working distance: 3.4 mm
- 10 450 413 Dark field ring illuminator recommended for 35x and 70x objectives
- 10 450 531 VZ700 C, 7:1 Zoom, encoded objective turret with 3 parfocal objectives (35–250x, 140–1000x, 350–2500x)
- 10 450 532 Directional lighting adapter for VZ700 C
- 10 450 533 Fixed iris shutter for VZ700 C, to increase depth of focus.
- 10 450 534 Adjustable iris shutter for VZ700 C, to variably increase depth of focus.
- 10 450 535 Center iris shutter for VZ700 C
- 10 450 536 Polarizing Adapter for Leica VZ700 C
- 10 450 537 Single Wavelength Adapter for VZ700 C, allows transmission of 500nm ± 50nm.
- 10 450 538 Optical rotary adapter for Leica VZ700 C; for creating pseudo-3D effects
- 10 450 382 VZ10, 10:1 macro zoom, 1x – 50x magnification
- 10 450 383 Ring illuminator for VZ10
- 10 450 384 VZ10 M, 10:1 macro zoom, 5x to 50x magnification and integrated illumination, macro switch: 1 – 5x
- 10 450 385 VZ10 MC, 10:1 macro zoom, encoded, 5x to 50x magnification and integrated illumination, macro switch 1 – 5x
- 10 450 387 VZ18 BGA; Normal and wide-field mode, zoom ring for magnification change, focusing ring
- 10 450 389 Backlighting for VZ18 BGA; Option for 10 450 387
- 10 450 407 Replacement prisms for VZ18 BGA



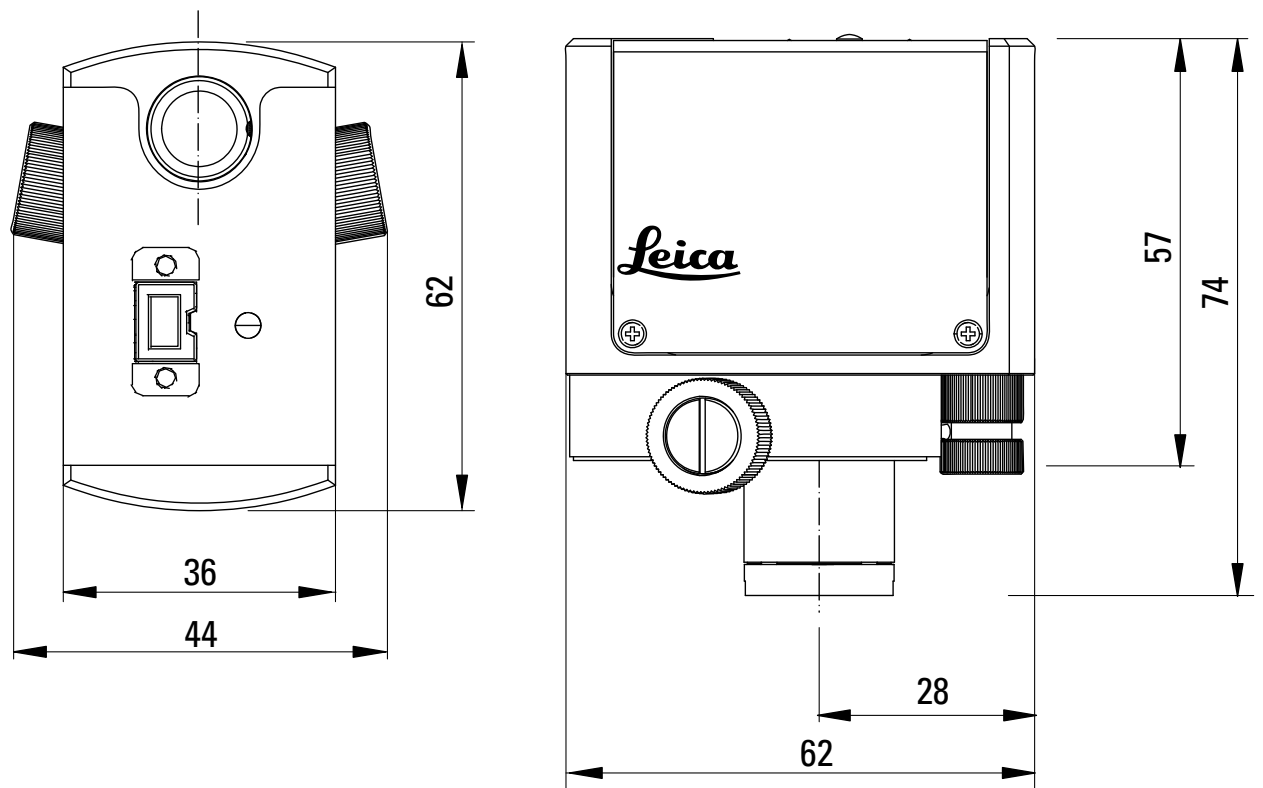
- 10 450 401 Coarse/fine adjustment for DVM applications
- 10 450 402 Coarse/fine adjustment with integrated motorized focus drive
- 10 450 597 Incident light XY-stage for DVM applications
- 10 450 598 Transmitted light XY-stage for DVM applications
- 10 450 405 Incident light adapter for incident light XY-stage 10 450 597
- 10 450 406 Transmitted light adapter for transmitted light XY-stage 10 450 598
- 10 450 400 Tilting stand for DVM, with integrated height adjustment and 360° rotation for XY-stage, 180° tilting range
- 10 450 408 Interface for routine focus drives of the M series, connection between DVM zooms and coarse focus drive 10 450 171 / 10 450 172 and coarse/fine focus drive 10 450 299 / 10 450 300
- 10 450 399 400 mm column for DVM equipment, includes column for 10 450 401 and 10 450 402
- 10 450 341 600 mm column for DVM equipment, includes column for 10 450 401 and 10 450 402
- 10 450 456 Interface ring for XY-stage adapter, connects XY-stage adapters 10 450 405 and 10 450 406 with incident light base 10 447 342

- 10 450 300 Focusing drive, coarse/fine, with 500 mm profile column
- 10 450 172 Coarse focusing drive with profile column 500 mm
- 10 447 342 Incident-light base medium
- 10 446 301 Gliding stage, Ø 120 mm
- 10 446 303 Cup stage, Ø 120 mm
- 10 447 260 Baseplate, small
- 10 446 436 Baseplate, medium
- 10 447 008 Vertical column 470 / 35 mm
- 10 447 097 ESD horizontal arm
- 10 447 098 Standard horizontal arm
- 10 447 006 Flange
- 10 447 007 Stage clamp
- 10 450 217 Focusing drive with tiltable column
- 10 450 441 Focusing drive coarse/fine with tiltable column
- 10 450 432 LED illumination for transmitted light equipment configurations with a transmitted light XY-stage 10 450 598, requires transmitted light adapter 10 450 406,

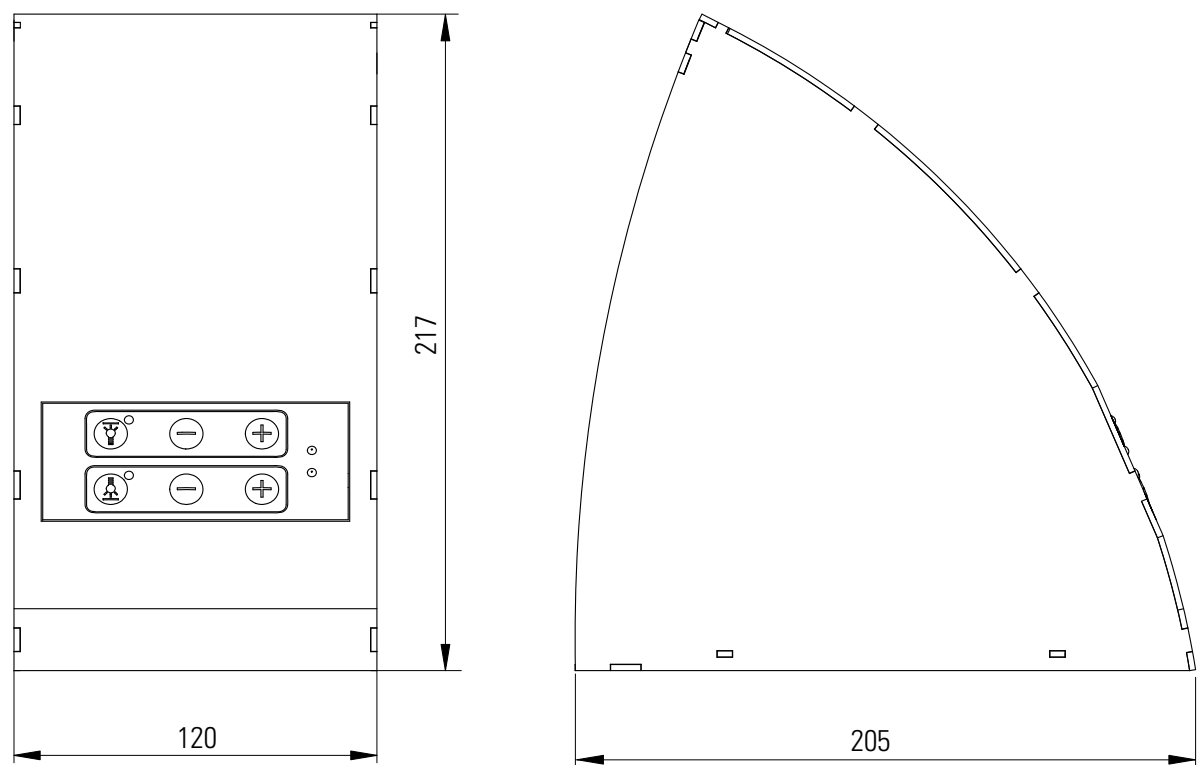
- 10 450 398 DVM control unit 10 450 559 and light guide 10 450 398
- Light guide for using transmitted light XY-stage 10 450 598



Leica DVM2500 Camera



Leica DVM2500 Control Unit



DVM Zoom Information – Optical Data

Leica VZ75 / VZ75 C

Model		Leica VZ75 / VZ75 C		
Adapters		Normal	Low	High
Magnification		20 – 160×	6 – 48×	40 – 320×
mm / inch	Working distance	44 / 1.73"	132 / 5.2"	20 / 0.79"
	Object field	15.4 – 2.0 / 0.61 – 0.08"	50.8 – 6.35 / 2 – 0.25"	7.62 – 0.95 / 0.3 – 0.04"
	Depth of field	13.3 – 0.25 / 0.52 – 0.01"	170.45 – 4.20 / 6.71 – 0.17"	3.02 – 0.10 / 0.12 – 0.04"
ACS option		Yes		

Leica VZ80 / VZ80 C / VZ80 R / VZ80 RC

Model		Leica VZ80 / VZ80 C / VZ80 R / VZ80 RC		
Adapters		Normal	Low	High
Magnification		50 – 400×	20 – 160×	100 – 800×
mm / inch	Working distance*	63 / 2.48"	80 / 3.15"	29 / 1.14"
	Working distance**	54 / 2.13"	28.5 / 3.15"	20 / 0.79"
	Object field	6.1 – 0.78 / 0.24 – 0.03"	15.4 – 2.0 / 0.61 – 0.08"	3.05 – 0.39 / 0.12" – 0.02"
	Depth of field	2.7 – 0.08 / 0.11" – 3.15 mil	16.81 – 0.58 / 0.66 – 0.02"	0.68 – 0.02 / 0.03" – 0.79 mil
ACS option		Yes		

* for VZ80, VZ80 C – ** for VZ80 R, VZ80 RC with straight view snap-on adapter

Leica VZ100 / VZ100 C

Model		Leica VZ100 / VZ100 C					
Objective		10 450 392	10 450 393	10 450 394	10 450 395	10 450 411	10 450 412
Magnification		35 – 350×	70 – 700×	140 – 1400×	140 – 1400×	350 – 3500×	700 – 7000×
mm / inch	Working distance (WD)	34 / 1.34"	21 / 0.83"	30.5 / 1.20"	12 / 0.47"	10.6 / 0.42"	3.4 / 0.13"
	Object field	9.83 – 1.05 0.39 – 0.04"	4.42 – 0.47 0.17 – 0.02"	2.46 – 0.26 0.10 – 0.01"	2.21 – 0.23 0.09 – 0.01"	880 – 90 μm 30 – 3.54 mil	440 – 40 μm 20 – 1.57 mil
Numerical Aperture		0.14	0.25	0.28	0.4	0.5	0.8
ACS option		Yes					

Leica VZ700 C

Model		Leica VZ700 C		
Adapters		Low	Normal	High
Magnification		35 – 250×	140 – 1000×	350 – 2500×
mm / inch	Working distance	10.0 mm ± 0.2 mm		
	Object field	10.89 – 1.52 mm	2.73 – 0.39 mm	1.09 – 0.15 mm
	Depth of field	0.72 – 0.072 mm	0.09 – 0.007 mm	0.04 – 0.002 mm
ACS option		Yes		
Illumination techniques		Bright field, dark field, mixed light		

Leica VZ10

Model		Leica VZ10
Magnification		1 – 50×
mm / inch	Object field	∞ – 6.1 / 0.24"
	Working distance (WD)	∞ – 21.44 / 0.84"
ACS option		N/A
































Leica VZ10 M / VZ10 MC

Model	Leica VZ10 M / VZ10 MC	
Magnification	1 – 5×	5 – 50×
View (mm / inch)	∞ – 61 / ∞ – 2.4"	61 – 6.1 / 2.4 – 0.24"
Working distance (WD)	∞ – 90 / ∞ – 3.54"	90 / 3.55"
ACS option	Yes (only VZ10 MC)	











VZ18 BGA






Model	VZ18 BGA
Prism adaptation width	0.9 mm
Viewing angle	≥ 90°
Magnification	100 – 180×
Working distance	0.9 – 8.0 mm (distance between prism apex and BGA soldered joint)








Zoom systems: Adapter pallet


Leica VZ75 / VZ75 C					Leica VZ80 R / VZ80 RC					
	Magnification range	Low 6× – 48×	Normal 20× – 160×	High 40× – 320×		Magnification range	Low 20× – 160×	Normal 50× – 400×	High 100× – 800×	
Included in the delivery package	Normal lens adapter 1.0× Working distance: 44 mm	-		-	Included in the delivery package	ACS cable & clamp (only VZ80 RC)	-		-	
	Contact Adapter	-		-		Normal lens adapter 1.0×	-		-	
	Variable lighting adapter	-		-	Attachment optics	Adapter 0.4× (20×–160×) 10 450 368 Working distance: 80 mm		-	-	
	Fixture	-		-		Adapter 2× (100×–800×) 10 450 369 Working distance: 20 mm	-	-		
	ACS cable & clamp (only VZ75 C)	-		-	Diffusers, polarizers, oblique illumination	Lift-off adapter 10 450 374 Working distance: 3 mm	-		-	
Attachment optics	Adapter 0.3× 10 450 348 Working distance: 132 mm		-	-		Contact Adapter 10 450 367 Working distance: 0–1.5 mm	-		-	
	Adapter 2× 10 450 349 Working distance: 20 mm	-	-			Diffuse light adapter 10 450 366 Working distance: 4 mm	-		-	
	L-shaped side view adapter (small) 10 450 351 Working distance: 10.5–15.5 mm	-		-		Adapter for variable lighting (high mag.) 10 450 371 Working distance: 1.6–6.4 mm	-	-		
	L-shaped side view adapter (large) 10 450 352 Working distance: 10.5–15.5 mm	-		-		Adapter for variable lighting 10 450 370 Working distance: 6–21 mm	-		-	
Diffusers, polarizers, oblique illumination	Diffuse light adapter 10 450 353 Working distance: 0–4 mm	-		-		Polarizing adapter 10 450 373 Working distance: 54 mm	-		-	
	Adapter for variable lighting (high mag.) 10 450 354 Working distance: 1 mm	-	-			Rotary heads	Rotary head adapter var. viewing angle 10 450 377 Working distance: 9–25 mm	-		-
	Polarizing adapter 10 450 355 Working distance: 31 mm	-		-			Diffuse light adapter for rotary head (10 450 377) 10 450 447	-		-
Rotary heads	Rotary head adapter for 20×–160× 10 450 347 Working distance: 12 mm	-		-		Rotary head for low magnifications 10 450 375 Working distance: 28.5 mm		-	-	
	Diffuse light adapter for rotary head (10 450 347) 10 450 446	-		-		Rotary head for high magnifications 10 450 376 Working distance: 3.5 mm	-	-		
	Rotary head for low magnifications 10 450 350 Working distance: 27 mm		-	-	Coax	Coaxial light adapter (requires ext. light source) 10 450 372 Working distance: 21 mm	-		-	
Coax	Coaxial light adapter (requires light source) 10 450 356 Working distance: 10.5 mm	-		-						



Zoom systems: Adapter pallet




Leica VZ100 / VZ100 C		
	Magnification range	Normal
Included in the delivery package	Iris diaphragm	
	ACS cable & clamp (only VZ100 C)	
Objectives	Objective (35× – 350×) 10 450 392 Working distance: 34 mm	
	Objective (70× – 700×) 10 450 393 Working distance: 21 mm	
	Objective (140× – 1400×) 10 450 394 Working distance: 30.5 mm	
	Objective (140× – 1400×) 10 450 395 Working distance: 12 mm	
	Objective (350× – 3500×) 10 450 411 Working distance: 10.6 mm	
	Objective (700× – 7000×) 10 450 412 Working distance: 3.4 mm	
Pol	Polarizing adapter (with filter insert) 10 450 380 (VZ100 / VZ100 C)	
Illumin.	Dark field ring illuminator 10 450 413	

Leica VZ80 / VZ80 C				
	Magnification range	Low 20× – 160×	Normal 50× – 400×	High 100× – 800×
Included in the delivery package	ACS cable & clamp (only VZ80 C)	-		-
	Adapter for using all snap-on adapters from VZ80 R / VZ80 RC 10 450 364	-		-
Attachment optics	Adapter 0.4× 10 450 361 Working distance: 80 mm		-	-
	Adapter 2× 10 450 362 Working distance: 29 mm	-	-	
Illumin.	Adapter for variable lighting (high mag.) 10 450 363 Working distance: 1.6–6.4 mm	-	-	

Leica VZ700 C		
	Magnification range	All 3
Included in the delivery package	Iris diaphragm	
	ACS cable & clamp	
Illumination	Fixed Iris Adapter 10 450 533	
	Adjustable iris shutter 10 450 534	
	Center iris adapter 10 450 535	
	Single Wavelength Adapter (500nm ± 50nm) 10 450 537	
	Optical Rotary Adapter 10 450 538	
	Polarization	Polarizing adapter (with filter insert) 10 450 536

Leica VZ10 M / VZ10 MC		
Included in the delivery package	ACS cable & clamp (only VZ10 MC)	

Leica VZ10		
Included in the delivery package	Fixture	
Illumin.	Ring illuminator 10 450 383	

Leica VZ18 BGA		
Included in the delivery package	Replacement prisms	
Aux. Optics	Replacement prisms 10 450 407	
Illumin.	Backlight adapter 10 450 389	

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.**

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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.

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The Leica Microsystems Biosystems Division brings histopathology labs and researchers the highest-quality, most comprehensive product range. From patient to pathologist, the range includes the ideal product for each histology step and high-productivity workflow solutions for the entire lab. With complete histology systems featuring innovative automation and NovocastTM reagents, Leica Microsystems creates better patient care through rapid turnaround, diagnostic confidence, and close customer collaboration.

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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.

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Australia · North Ryde	+61	2 8870 3500	2 9878 1055
Austria · Vienna	+43	1 486 80 50 0	1 486 80 50 30
Belgium · Groot Bijgaarden	+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