

Product specifications Leica DM500, DM750, DM750 P

	DM500	DM750	DM750 P
Separate Eyepieces			
High eyepoint	X	X	X
10X/20 (20MM Field of View)	X	X	X
Available with or without pointer	X	X	
Crosshair eyepiece with 45 degree marks, scale, and orientation feature			X
Available Fixed or Focusing	X	X	X
Focusing eyepieces with reticle holder for 21mm reticle	X	X	X
Foldable Eyeguards	X	X	X
30mm mounting diameter	X	X	X
EZTube™			
Preset Diopters for corrected vision	X	X	
45 degree viewing angle	X	X	
10X/18 (18mm Field of View)	X	X	
Attaches to stand with set screw	X	X	
Captive thumbscrew availability for safe rotation	X	X	
Eyepieces are integrated into tube	X	X	
Available with pointer and without pointer	X	X	
Interpupillary Distance Range 52mm - 75mm	X	X	
Other Viewing Tubes for separate eyepieces			
45 degree, 30 degree, Trinocular	X	X	
30 degree Pol Bino and Trino Tube with slot for alignment, 90 Degree and 45 Degree orientation feature on right eyetube for Crosshair eyepiece			X
Maximum Field of view 20mm	X	X	X
Rotatable dovetail	X	X	
Leica Tube dovetail standard	X	X	X
Eyepiece locking screw (left side only for DM750 P)	X	X	X
Interpupillary Distance Range 52mm - 75mm	X	X	X
Stand			
Stand shape protects controls	X	X	X
Stand construction - die cast aluminum	X	X	X
External Fuses	X	X	X
Knurled nosepiece	X	X	X
4 position nosepiece only	X		
4 position centerable nosepiece			X
4 or 5 position nosepiece available		X	
Drop in holder for 32 mm mounted or not mounted filters	X	X	
ISO Compensator position above nosepiece			X
Pin in stand for alignment of Pol Viewing Tubes			X

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EZStore™			
Vertical handle	X	X	X
Undercut in front of stand	X	X	X
Cord wrap	X	X	X
Vertical cord attachment to stand	X	X	X
Storage positions in A/B Modules for 2 compensators and objective centering tools			X
Magnetic attachment for Objective centering tool storage			X
Detent attachment for Compensator storage			X
Objectives			
Infinity Platform	X	X	X
Plan optics for FOV 18	X	X	
HI Plan for FOV 20	X	X	X
100X dry objective with N.A. .8 (no correction collar)	X	X	X
Objective labeling laser engraved (HI Plans)	X	X	X
M25 nosepiece thread	X	X	X
EZGuide™			
One handed slide loading	X	X	
26mm X 76mm stage travel	X	X	
Point counting and non point counting mechanical stages (stage travel 30mm X 40mm)			X
SafeTStage™			
Stage surface 185mm (150mm front) wide X 140mm deep	X	X	
Large 178mm circular diameter stage surface			X
Rounded stage edges	X	X	
Non extending rack	X	X	
Wear resistant stage surface		X	
Hard Anodized Stage Surface			X
Brake for securing rotation location			X
Laser engraved stage calibration in 1 degree increments			X
Verniers for X/Y coordinates	X	X	
Verniers on two sides to .1 degree			X
Condenser			
Prefocused and Precentered Condenser	X		
Centerable and focusable Condenser Mount		X	X
Slot in condenser for contrast sliders (Phase, Darkfield, Compensator)	X	X	X
Magnification labels on Condenser	X	X	X
Standard Leica Condenser Mount for condensers (Abbe, Turret, Flip top, etc.)		X	X

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Focus			
Low Position Focus Controls	X	X	X
Self adjusting Focus mechanism	X	X	X
300 microns per Fine Focus Rotation	X	X	X
Calibrated in 3 micron increments	X	X	X
Weighted Focus Knobs		X	X
EZLite™			
Preset Field aperture only	X		
Available with or without adjustable Koehler Field Diaphragm		X	
Available with adjustable Koehler Field Diaphragm as standard			X
LED illumination - 6000 K color temp, 25,000 hours life at full intensity	X	X	
35 Watt Halogen Lamp, 2000 hour lamp life			X
Continuous intensity adjustment	X	X	X
Illumination enough for viewing at lowest intensity	X	X	X
Simple Polarizing Kit available	X	X	X
2 hour Auto Off (can be disabled or enabled)		X	
Auto Off default: 4 position stands enabled, 5 position stands disabled		X	
Imaging			
Trinocular Tubes available (50%/50% light split)	X	X	X
C mount adapters with standard Leica mount	X	X	X
ICC50 Intermediate Camera Module (50%/50% light split)	X	X	
Stand Alone kit for ICC50 Camera Module (Power supply, Analog Video Cable, SD Card)	X	X	
Intermediate Modules			
35mm Intermediate Ergo module available	X	X	X
15mm Flat top module	X	X	X
Module for LSF Illuminator	X	X	X
Analyzer Module with pin for Viewing Tube alignment	X	X	X
Analyzer/Bertrand Lens Modules			
Basic A/B module with pin for Viewing Tube alignment			X
Advanced A/B Module with Focusing Bertrand Lens and pin for Viewing Tube alignment			X

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AgTreat™			
Anti Microbial Treatment	X	X	X
Certifications			
cULus, CE, RoHS	X	X	X
Shipping			
Dimensions 40cm x 37cm x 39cm	X	X	X
Weight 9 kg	X	X	X

Product specifications Leica ICC50

Weight	700g (camera only)
Exposure time	2msec – 2 sec
Live picture up to	15 fps (1024×768 Pixel)
Full frame capture image	2048 × 1536 pixels, 3.1 Mpixel
Sensor Size	6.55mm × 4.92mm
Pixel size	3.2µm × 3.2µm
Sensor	Type: Micron 1/2" CMOS
Gain	1× – 20×
Colour depth	24-bit
Data format	JPEG / TIFF/ BMP
Operating systems	WindowsXP, Windows Vista
Software	Leica LAS EZ software (PC), optional Leica LAS modules available
Recommended computer configuration	Intel Pentium 4 or DuoCore, 2GHz, 1GB RAM 24 bit graphics, 1248 × 1024, DVD drive

Mechanical and optical Interfaces

Fits between Viewing Tube and Stand via Standard Leica Dovetail	
Center offset of the top dovetail to the bottom	< 0.4mm
Light distribution	optical 50% / camera 50%
No reflections, dust or impurities visible on prism	
Internal video magnification	0.5x
Sensor	centered to optical axis +/- 0.1mm
Sensor	horizontally / vertically aligned +/- 1 degree

Electronic Interfaces

Compatibility	USB 2.0 cable, 1.5m, standard USB connector
Analog video port	RCA-connector with composite video signal PAL or NTSC (default)
Pinhole	switch to select between PAL or NTSC video mode
2 color LED	power on (green) / ready to acquire (green) / recording (red)
Integrated slot	SD (Secure Digital) card
Recording switch	for image capture
Reset feature, set new white balance	pressing the recording switch for more than 10 seconds
Power consumption	4W

Other

Power supply	Via USB 2.0 or an external power supply		
External Power	Optional with ICC50 stand alone kit		
Operating temperature Range	+5°C – 50°C Humidity 10 – 90%		
CE conformity declaration	available		
cULus			
Approved Standards	EMI/RFI	EN55011-B	EN50082-1
	EMC	61000-3-2	61000-3-3

Ordering Numbers

13 613 705	Leica ICC50 camera (incl. USB cable and LAS EZ software)
13 613 710	Leica ICC50 stand alone kit (power supply, video cable, SD card)
13 613 705-100	Leica ICC50 replacement user documents