

Ivesta 3 Stereo Microscope Specifications			
Characteristics	Ivesta 3	Ivesta 3 (C-mount)	Ivesta 3 (Integrated camera)
Optical system, lead-free	10° Greenough using best-corrected central part of the objective	10° Greenough using best-corrected central part of the objective	10° Greenough using best-corrected central part of the objective
Zoom Ratio	9:1	9:1	9:1
Viewing angle	35°	35°	35°
Magnification range *	6.1x – 55x	6.1x – 55x	6.1x – 55x
Maximum resolution	500 lp / mm	500 lp / mm	500 lp / mm
Maximum numerical aperture	0,167	0,167	0,167
Working distance *	122 mm	122 mm	122 mm
Object field diameter *	37.6 mm	37.6 mm	37.6 mm
Adjustable zoom limits *	20x, 30x, 40x and 50x	20x, 30x, 40x and 50x	Fully coded zoom
Video/photo outlet	-	50 % video / 50 % visual, permanent	50 % video / 50 % visual, permanent
Standard objectives, lead-free	Apochromats 0.5x, 0.63x, 0.75x, 1.6x, 2.0x	Apochromats 0.5x, 0.63x, 0.75x, 1.6x, 2.0x	Apochromats 0.5x, 0.63x, 0.75x, 1.6x, 2.0x
Ergonomic eyepieces, fixed and adjustable, with cups	10x/23, 16x/16, 20x/12	10x/23, 16x/16, 20x/12	10x/23, 16x/16, 20x/12
Ergonomic eyepieces for eyeglass wearers, adjustable, with eyecups	10x/23, 16x/15, 25x/9.5, 40x/6	10x/23, 16x/15, 25x/9.5, 40x/6	10x/23, 16x/15, 25x/9.5, 40x/6
Interpupillary distance *	50 mm – 76 mm	50 mm – 76 mm	50 mm – 76 mm
Live image on an HDMI monitor	-	-	at up to 60 fps (3,840 x 2,160 pixels)
Full-screen image capture	-	-	at 12 MP
Sensor diagonal	-	-	7.81 mm (type 1/2.3" CMOS)
Pixel size	-	-	1.55 µm x 1.55 µm
Input	-	-	5 V DC / 3 A
Supported software	-	-	Enersight
File formats	-	-	MJPEG; for overlays also PNG
Compatibility	-	-	USB 3.0, standard USB type C
High-definition connector	-	-	HDMI 2.0a, HDMI plug type A

USB connectors	-	-	4x USB 2 connectors, type A
Multicolor status LED	-	-	1x (on rear side of the microscope)