

MANTIS

Technical Specification

	PIXO				ERGO				IOTA			
Optical	Values below are for both PIXO and ERGO								Values below are for IOTA			
Compatible Objective Lens	x3	x4	x6	x8	x10	x15	x6 SLWD	x8 SLWD	x3	x4	x6	x8
Max. Working distance (mm)	100	100	68	60	54	40	114	113	104	108	74	61
Measured Max FoV (mm)	44.1	35.7	24.2	18	14.2	9.1	22.5	17.9	37.0	29.0	20.1	15.0
Pupil Diameter (mm)	23.5	23.6	22.4	19.4	17.0	12.3	17.0	14.4	22.8	23.6	22.0	18.0

	PIXO				ERGO				IOTA			
Illumination	Values below are for both PIXO and ERGO								Values below are for IOTA			
Incident options												
- Brightness	~21 k lux max								~26 k lux max			
- Colour temp	5500K at max brightness								5500K			
- Control	25 steps								25 steps			
Transmitted (Stabila illuminated base)												
- Brightness	36 k lux max								36 k lux max			
- Colour temp	~4800K								~4800K			
- Control	25 steps								25 steps			
White / UV version												
- Brightness	White: 11k lux				UV: 0.47 k lux 53 uW/cm ² Max				—			
- Peak wave length	385nm								—			
- Control	25 steps								—			

	PIXO				ERGO				IOTA			
Size (Head only)												
Depth (mm)	275				275				271			
Width (mm)	218				218				196			
Height (mm)	371				371				324			
Weight												
Max. operating (kg)	6.5				6.4				3.5			
Head only (kg)	4.5				4.4				3.2			
Camera (PIXO only)												
Camera resolution (MP)	5.04 MP				—				—			
Best capture resolution (pixels)	2592 x 1944				—				—			
Frame refresh rate	48 frames per second				—				—			
Sensor type	Rear-illuminated CMOS				—				—			
Colour depth	12-bit				—				—			
Interface	SuperSpeed USB 3.0				—				—			
Output connection	USB-C to PC				—				—			
Supplied software	ViCapture				—				—			
Optional software	ViFox DimensionOne DimensionTwo ViPlus				—				—			
Image capture formats	PNG, BMP, JPG				—				—			
Saved image sizes (MB)	PNG - 19Mb BMP - 19Mb JPG - 400Kb				—				—			