

PHOTOSCOPE 85 T* FL

Magnification	15-45x	Nominal f-ratio ²	f2.4 - f3.3
Entrance Pupil	max 85 mm	Effective f-ratio ²	f4.5 - f6.0
Field of View (ft/100yds)	240-81 ft	Shutter Speeds	B-1/4000s
Close Focusing Distance	approx. 16.5 ft	File Format	JPG, DNG (RAW), AVI ³
Length	17.25 in	Power Supply	7.4V Lithium-ion Battery
Weight	approx. 6.5 lbs	Connections	USB 2.0, External Power
Image Sensor	7MPCCD (3052 x 2284 pixels) ¹	Storage Medium	SD Card
Focal Length (35 mm equivalent)	600-1800 mm	Rainproof	Yes ⁴

¹ 7MP: suitable for any internet use, and for prints at least to 8.5 x 11. ² Nominally an f2.4 to f3.3 at its true (non-35mm equivalent) focal lengths of 98mm-293mm. Effective f-ratio reflects internal loss of light due to beam splitter. ³ AVI video capture: 320x240 pixels, 14 frames per second. ⁴ Rainproof, however, the PhotoScope should not be immersed in water.

Eyepiece	D 15-56x/20-75x Vario		D 15-45x/20-60x Vario		D 30x/40x Fixed	
	DiaScope 65FL	DiaScope 85FL	DiaScope 65FL	DiaScope 85FL	DiaScope 65FL	DiaScope 85FL
Magnification	15-56x	20-75x	15-45x	20-60x	30x	40x
Field of View (ft/100yds)	156-63	120-48	168-72	129-60	120	90
Weight oz	17.3		11.7		7.8	
Order Numbers	52 80 68		52 80 67		52 80 66	

	DiaScope 65 T* FL				DiaScope 85 T* FL			
	Straight		Angled		Straight		Angled	
Objective Diameter	65 mm				85 mm			
Close Focus	13.1 ft				16.3 ft			
Lens Type	FL-Type (4-lens)				FL-Type (5-lens)			
LotuTec*	yes				yes			
Nitrogen Filled	yes				yes			
Waterproof	400 mbar				400 mbar			
Length	11.8 in				13.6 in			
Height	4.1 in				4.1 in			
Width	3.2 in				3.8 in			
Weight	39 oz.				52 oz.			
Eyepiece	15-45x	15-56x	15-45x	15-56x	20-60x	20-75x	20-60x	20-75x
Order Numbers	17 87 878	17 87 879	17 87 880	17 87 881	17 87 882	17 87 883	17 87 884	17 87 885

T* = Carl Zeiss T* multi-coating. FL = Fluoride Glass.