

## SM7 Series Technical Specifications



● Sku	1100201800061	1100201800021	1100201800071	1100201800031
● Name	<b>SM7-P A1X</b>	<b>SM7TR-P A1X</b>	<b>SM7-P APO1X</b>	<b>SM7TR-P APO1X</b>
Optical system	Galilean infinity optical design. Common Main Objective (CMO)			
● Observation tube	Binocular head	Trinocular head	Binocular head	Trinocular head
Inclination	30° inclined			
Trinocular light split	-	100:0/20:80	-	100:0/20:80
Interpupillary distance	55-75mm			
Diopter adjustment	On both eyepieces, +5/-8 diopter			
Eyepieces	Widefield WF10X/22mm with diopter adjustment			
Objectives system	Zoom, ratio 7:1			
● Objectives classification	Plan Achromat		Plan Apochromat	
Objectives	0.8X~5.6X (10-step)			
● Working distance	90mm		81mm	
Stand type	Fixed-arm stand			
Head holder	For Ø76mm head			
Focus mechanism	Coarse focusing system with tension adjustment			
Focusing stroke	120mm			
● Incident illumination	-			
● Transmitted illumination	-			
● Transformer	-			
● Power supply	-			
Accessories included	Dust cover, Black/White plate Ø160mm			
Dimensions LxWxH	367x290x372mm			
Base	310x290mm			
Column/Arm	254mm			
Net weight	6.9 Kg	7 Kg	7 Kg	7.1 Kg
<b>CONTRAST TECHNIQUES</b>				
Brightfield	Brightfield			



1100201800081	1100201800041	1100201800091	1100201800051	<b>Sku</b>	●
<b>SM7-TLED A1X</b>	<b>SM7TR-TLED A1X</b>	<b>SM7-TLED APO1X</b>	<b>SM7TR-TLED APO1X</b>	<b>Name</b>	●
Galilean infinity optical design. Common Main Objective (CMO)				<b>Optical system</b>	
Binocular head	Trinocular head	Binocular head	Trinocular head	<b>Observation tube</b>	●
30° inclined				<b>Inclination</b>	
-	100:0/20:80	-	100:0/20:80	<b>Trinocular light split</b>	
55-75mm				<b>Interpupillary distance</b>	
On both eyepieces, +5/-8 diopter				<b>Diopter adjustment</b>	
Widefield WF10X/22mm with diopter adjustment				<b>Eyepieces</b>	
Zoom, ratio 7:1				<b>Objectives system</b>	●
Plan Achromat		Plan Apochromat		<b>Objectives classification</b>	
0.8X~5.6X (10-step)				<b>Objectives</b>	
90mm		81mm		<b>Working distance</b>	●
Fixed-arm stand with incident & transmitted illumination				<b>Stand type</b>	
For Ø76mm head				<b>Head holder</b>	
Coarse focusing system with tension adjustment				<b>Focus mechanism</b>	
120mm				<b>Focusing stroke</b>	
LED 3W with intensity control				<b>Incident illumination</b>	●
LED 3W with reflector and intensity control				<b>Transmitted illumination</b>	●
External				<b>Transformer</b>	●
110-240V (CE)				<b>Power supply</b>	●
Dust cover, Glass plate Ø160mm				<b>Accessories included</b>	
367x290x372mm				<b>Dimensions LxWxH</b>	
310x290mm				<b>Base</b>	
254mm				<b>Column/Arm</b>	
7.3 Kg	7.4 Kg	7.4 Kg	7.5 Kg	<b>Net weight</b>	
				<b>CONTRAST TECHNIQUES</b>	
Brightfield				<b>Brightfield</b>	