

# SPECIFICATIONS

Model	PA53 BIO	PA53 FS6
Optical System	Scalable Infinity-Corrected Optical System(CCIS®)	
Illumination	Transmitted Illumination System	Transmitted / Reflected Fs Illumination System
Transmitted illumination	Kohler illumination 100W long life halogen lamp	
Reflected Flour Illumination	/	High-power LED Flour Light source
Observation Tube	30°Trinocular (100:0,20:80,0:100)	
Eyepieces	Wide-Field(FN23) Eyepiece 10X/23mm, Diopter adjustable	
	Wide-Field(FN25) Eyepiece 10X/25mm, Diopter adjustable	/
Nosepiece	Coded Quintuple(5) revolving nosepiece	
Recommended Objectives	Plan UC Achromat Series Plan UC 4X/0.1, W.D=30.5mm,CG=0.17 Plan UC 10X/0.25, W.D=17.4mm,CG=0.17 Plan UC 20X/0.45,W.D=0.8mm,CG=0.17 (Optional) Plan UC 40X/0.65,W.D=0.6mm,CG=0.17 Plan UC 60X/0.8,W.D=0.35mm,CG=0.17 (Optional) Plan UC 100X/1.25 Oil,W.D=0.16mm,CG=0.17 Plan UC 100X/0.8,W.D=2mm,CG=0.17	Plan UC Fluor Series Plan UC Fluor 4X/0.13,W.D=17.3mm,CG=0.17 Plan UC Fluor 10X/0.3,W.D=11.7mm,CG=0.17 Plan UC Fluor 20X/0.5,W.D=2.2mm,CG=0.17 Plan UC Fluor 40X/0.75,W.D=0.7mm,CG=0.17 Plan UC Fluor 100X/1.3 oil,W.D=0.1mm,CG=0.17
Plan APO Series	Plan APO 4X/0.15 W.D.=20mm,CG=0.17 Plan APO 10X/0.35 W.D.=4.2mm,CG=0.17 Plan APO 20X/0.75 W.D.=0.55mm,CG=0.17 Plan APO 40X/0.95 W.D.=0.18mm,CG=0.17 Plan APO 100X/1.3 oil. W.D.=0.25mm,CG=0.17	/
HPlan S-APO Series	HPlan S-APO 4X/0.13,W.D=17.3mm,CG=0.17 HPlan S-APO 10X/0.3,W.D=11.7mm,CG=0.17 HPlan S-APO 20X/0.5,W.D=2.2mm,CG=0.17 HPlan S-APO 40X/0.75,W.D=0.7mm,CG=0.17 HPlan S-APO 100X/1.3 oil,W.D=0.1mm,CG=0.17	/
Plan UC Phase Contract Series	Plan UC PH 10X/0.25, W.D=17.4mm,CG=0.17,ph1 Plan UC PH 20X/0.45,W.D=0.8mm,CG=0.17,ph2 Plan UC PH 40X/0.65,W.D=0.6mm,CG=0.17,ph2 Plan UC PH 100X/1.25 Oil,W.D=0.16mm,CG=0.17,ph3	
Focusing Mechanism	Stage Z range: 29.5 mm, Coarse and Fine focusing knob Coarse focusing : 17.7mm/turn; fine focusing: 0.1/turn, Upper limit stopper, Torque adjustment ring	
Condenser	Abbe condenser	
Stage	Rackless stage	
Filter Cubes	/	DAPI/Hoechst/AlexaFluor 350 EGFP/FITC/Cy2/AlexaFluor 488 TRITC/Cy3/TagRFP/AlexaFluor 546 DAPI/Green/Orange #1 FISH (Multiple filter cube options available on request consult with your Motic sales representative)
Software	Motic Images Plus 3.0 (Best paired with Moticam S line cameras)	
	/	Motic Images Plus 3.0 FL channel merge plug-in