

3.3 Equipment and compatibility table**3.3.1 Axio Observer 3, 5 and 7**

Equipment	Option	Axio Observer		
		3	5	7
Stand	manual	+	+	-
	motorized	-	O*	+
Coding	PC readable	+	+	+
Display	LCD display	-	O**	-
	TFT display	-	-	+
	Docking station	-	-	O
Interfaces	CAN	+	+	+
	RS 232	-	+	+
	USB	+	+	+
	TCP/IP	-	+	+
	Socket for external UNIBLITZ shutter	-	+	+
	Trigger socket (IN/OUT) for shutter	-	+	+
4-position CAN hub		O	O	O
Light Manager		+***	+	+
Contrast Manager		-	-	+
Control ring	right	-	+	+
	left	-	-	+
Z-focus drive	manual (2 mm / 0.2 mm)	+	+	-
	motorized, stepper motor drive (z-step size 10 nm)	-	-	+
Adjustable vertical stop for Z drive (focus stop)	manual	-	+	-
A utomatic C omponent R ecognition (ACR)	Nosepiece ACR	-	-	O
	Reflector turret ACR	-	O	O
Power supply unit	internal	+	+	-
	external	-	-	+
Z drive control (flat control knob)	right	O	-	O
	left	O	+	O
Z drive extended travel range (13 mm)	manual	O	O	-
	motorized	-	-	O
Nosepiece	6-position H DIC cod.	+	+	-
	6-position H DIC mot.	-	-	O
	6-position H DIC mot. ACR	-	-	O
Definite Focus	including 6-position nosepiece H DIC mot. ACR	-	-	O
Auto immersion module		-	-	O
Objectives autocorr		-	-	O

Equipment	Option	Axio Observer		
		3	5	7
Transmitted light contrast method	PlasDIC	○	○	○
	PlasDIC with contrast slider	○	○	-
Tube lens mount, fixed / Optovar turret	1-position tube lens mount, fixed	+	○	○
	Optovar turret 3-position, coded	-	○	-
	Optovar turret 3-position, mot.	-	-	○
Sideport (type)	2 or 3-position, manual (port only on left)	+	-	-
	2 or 3-position, man. L/R	-	+	-
	3-position, mot. L/R	-	-	+
Sideport (component)	60N L, 2 switching positions (100% vis : 0% L / 20% vis : 80% L)	○	○	-
	60N L 100, 2 switching positions (100% vis : 0% L / 0% vis : 100% L)	○	○	-
	60N L, 3 switching positions (100% vis : 0% L / 0% vis : 100% L / 50% vis : 50% L)	○	○	○
	60N R, 3 switching positions (100% vis : 0% R / 0% vis : 100% R / 50% vis : 50% R)	-	○	○
	60N L/R, 3 switching positions (100% vis : 0% LR / 0% vis : 100% L / 20% vis : 80% R)	-	○	○
	60N R/L 100, 3 switching positions (100% vis : 0% LR / 0% vis : 100% L / 0% vis : 100% R)	-	○	○
	60N L 80/R 100, 3 switching positions (100% vis : 0% LR / 20% vis : 80% L / 0% vis : 100% R)	-	○	○
Path deflection to the tube (VIS only)		+	○	○
Beam path switching (for VIS/frontport/baseport)	manual	-	○	-
	motorized	-	-	○
Baseport / frontport		-	○	○
Scanning stages	Scanning stage 130x85 mot. CAN	○	○	○
	Scanning stage 130x100 STEP	○	○	○
	Scanning stage Piezo 130x100	○	○	○
	Scanning stage XY DC 110x90 with stage attachment Z-Piezo/ Rot.En.	○	○	○
Stage attachment Z-PIEZO		○	○	○
Carrier for transmitted-light illumination	without LCD display	○	-	○
	with LCD display	-	○**	-
Transmitted light illuminator	microLED, VIS-LED, HAL100	○	○	○
Condensers	LD 0.35 / LD 0.55, manual	○	○	○
	LD 0.55, motorized	-	○	○
	Axio Imager 0.8/1.4 with adapter	○	○	○
Shutter for transmitted light	internal	-	○	○
	external, high speed (with internal control system)	-	○	○

Equipment	Option	Axio Observer		
		3	5	7
Reflected light illuminator	manual	0	0	0
	motorized	-	0	0
Slider for reflected light illuminator	manual	0	0	0
	motorized	-	0	0
Shutter for reflected light	Shutter FL, internal	0	0	0
	High-speed, external (with internal control)	-	0	0
Illumination system	Colibri 7	0	0	0
Reflector turret	6-position, manual	0	0	-
	6-position, coded	-	0	0
	6-position, motorized	-	0	0
	6-position, motorized ACR	-	0	0
Switching mirror mot.; CAN	motorized	-	0	0
Filter wheels	Dual filter wheel mot. for beam splitting and emission; CAN	-	-	0
	Filter wheel excitation 8-pos. mot. for filters d=25 mm; CAN	-	-	0
Laser safety upgradeable	Spinning Disk / DirectFRAP	-	-	0
	LSM	-	-	0
ApoTome / ApoTome.2		-	0	0

- + = included in stand
 0 = optionally available
 0* = optional: reflector turret mot., reflected-light illuminator mot., LD condenser 0.55 mot.
 0** = required (either carrier for transmitted-light illumination with LCD display (423922-0000-000) or holder with LCD display and Light Manager (432923-0000-000))
 +*** = „simple“ Light Manager
 - = not available

3.3.2 Axio Observer 3 materials, 5 materials and 7 materials

Equipment	Option	Axio Observer		
		3 m	5 m	7 m
Stand	manual	+	+	-
	motorized	-	O*	+
Coding	PC readable	+	+	+
Display	LCD display	-	O**	-
	TFT display	-	-	+
	Docking station	-	-	O
Interfaces	CAN	+	+	+
	RS 232	-	+	+
	USB	+	+	+
	TCP/IP	-	+	+
	Socket for external UNIBLITZ shutter	-	+	+
	Trigger socket (IN/OUT) for shutter	-	+	+
4-position CAN hub		O	O	O
Light Manager		+	+	+
Contrast Manager		-	-	+
Control ring	right	-	+	+
	left	-	-	+
Z-focus drive	manual (2 mm / 0.2 mm)	+	+	-
	motorized, stepper motor drive (z-step size 10 nm)	-	-	+
Adjustable vertical stop for Z drive (focus stop)	manual	-	+	-
Automatic Component Recognition (ACR)	Nosepiece ACR	-	-	+
	Reflector turret ACR	-	O	O
Power supply unit	internal	+	+	-
	external	-	-	+
Z drive control (flat control knob)	right	O	-	O
	left	O	+	O
Z drive extended travel range (13 mm)	manual	O	O	-
	motorized	-	-	O
Nosepiece	6 position HD DIC cod.	+	+	-
	6 position HD DIC mot. ACR	-	-	+
Compensator mount 6x20		+	+	+
Tube lens mount, fixed / Optovar turret	Tube lens mount, 1-position, fixed	+	O	O
	Optovar turret 3-position, coded	-	O	-
	Optovar turret 3-position, mot.	-	-	O

Equipment	Option	Axio Observer		
		3 m	5 m	7 m
Sideport (type)	2 or 3-position, manual (port only on left)	+	-	-
	2 or 3-position, man. L/R	-	+	-
	3-position, mot. L/R	-	-	+
Sideport (component)	60N L, 2 switching positions (100% vis : 0% L / 20% vis : 80% L)	○	○	-
	60N L 100, 2 switching positions (100% vis : 0% L / 0% vis : 100% L)	○	○	-
	60N L, 3 switching positions (100% vis : 0% L / 0% vis : 100% L / 50% vis : 50% L)	○	○	○
	60N R, 3 switching positions (100% vis : 0% R / 0% vis : 100% R / 50% vis : 50% R)	-	○	○
	60N L/R, 3 switching positions (100% vis : 0% LR / 0% vis : 100% L / 20% vis : 80% R)	-	○	○
	60N R/L 100, 3 switching positions (100% vis : 0% LR / 0% vis : 100% L / 0% vis : 100% R)	-	○	○
	60N L 80/R 100, 3 switching positions (100% vis : 0% LR / 20% vis : 80% L / 0% vis : 100% R)	-	○	○
Path deflection to the tube (VIS only)		+	○	○
Beam path switching (for VIS/front port/base port)	manual	-	○	-
	motorized	-	-	○
Baseport / frontport		-	○	○
Scanning stages	Scanning stage 130x85 CAN	○	○	○
	Scanning stage 130x100 STEP	○	○	○
	Scanning stage 130x100 PIEZO	○	○	○
Holder with LCD display			○**	
Carrier for transmitted-light illumination for HAL 100 lamp and micro LED	without LCD display	○	-	○
	with LCD display	-	○**	-
Condensers	LD 0.35 / LD 0.55, manual	○	○	○
	LD 0.55, motorized	-	○	○
	Axio Imager 0.8/1.4 (s. PL 40.19.04)	○	○	○
Shutter for transmitted light	internal	-	○	○
	external, high speed (with internal control system)	-	○	○
Reflected light illuminator	manual	+ ¹⁾	○	○
	motorized	-	○	○
Slider for reflected light illuminator	manual	○	○	○
	motorized	-	○	○
Polarizer slider RL 6x30 mm, 90° rotatable		○	○	○

Equipment	Option	Axio Observer		
		3 m	5 m	7 m
Shutter for reflected light	Shutter FL, internal	O	O	O
	High-speed, external (with internal control)	-	O	O
Reflector turret	6-position, manual	O	O	-
	6-position, coded	-	O	O
	6-position, motorized	-	O	O
	6-position, motorized ACR	-	O	O
Filter wheel excitation 8-pos. mot. for filters d = 25 mm; CAN	motorized	-	O	O
Switching mirror mot.; CAN	motorized	-	O	O
ApoTome / ApoTome.2		-	O	O

- + = included in stand
- +1) = includes reflected-light illuminator HD Pol FL (423608-9001-000)
- O = optionally available
- O* = optionally: motorized reflector turret, reflected-light illuminator, LD condenser 0.55
- O** = either holder with LCD display and light manager (432923-0000-000) or carrier for transmitted-light illumination with LCD display (423922-0000-000)
- = not available