

List of recommended cameras by SWAROVSKI OPTIK

A list of digital cameras which can be used in conjunction with SWAROVSKI OPTIK's ATX/STX and ATS/STS telescopes and the digital camera adapters TLS APO (23 mm and 30 mm), DCB II or TLS 800. For ATS/STS telescopes we recommend the use of 25-50x W eyepiece. When using TLS APO or TLS 800 a T2 Adapter is necessary (T2 Adapters for Nikon, Canon and Sony DSLRs and for Micro 4/3 bayonet joints are available from SWAROVSKI OPTIK).

Compact cameras

Canon	Year	ATX / STX			ATS / STS			Remarks	
		TLS APO		DCB II	TLS APO		DCB II		TLS 800
		23 mm	30 mm		23 mm	30 mm			
PowerShot S120	2013			xx			xx	5 times Zoom, successor to S100	
PowerShot S200	2014			xx			xx	5 times Zoom, HD Videos 720p, image stabilizer, Wi-Fi (share images wirelessly, no remote control)	
PowerShot G1x II	2014	DOES NOT WORK!!!							5 times Zoom, High End Compact Camera
Models of PowerShot G series		DO NOT WORK!!!							High End Compact Cameras

Nikon	Year	ATX / STX			ATS / STS			Remarks	
		TLS APO		DCB II	TLS APO		DCB II		TLS 800
		23 mm	30 mm		23 mm	30 mm			
P330	2013			xx			xx	Good Sensor and high quality lenses, HD Video, easy menu (wheel); Wi-Fi	
P340	2014			xx			xx	Good Sensor and high quality lenses, 5 times Zoom, full HD 1080p Video, Wi-Fi	
AW130	2015			x			x	5 times Zoom, waterproof, Wi-Fi, GPS	

Sony	Year	ATX / STX			ATS / STS			Remarks	
		TLS APO		DCB II	TLS APO		DCB II		TLS 800
		23 mm	30 mm		23 mm	30 mm			
DSC-W710	2013			x			x	5 times Zoom, 16,1mp	
DSC-TX30	2013			x			x	5 times Zoom, 18,2mp	
DSC-RX100 III	2014			xx			xx	2,9 times Zoom	

Fujifilm	Year	ATX / STX			ATS / STS			Remarks	
		TLS APO		DCB II	TLS APO		DCB II		TLS 800
		23 mm	30 mm		23 mm	30 mm			
XQ2	2015			xx			xx	4 times Zoom	

Olympus	Year	ATX / STX			ATS / STS			Remarks	
		TLS APO		DCB II	TLS APO		DCB II		TLS 800
		23 mm	30 mm		23 mm	30 mm			
Tough TG-3	2014			x			x	4 times Zoom, 16mp, GPS module, waterproof	

Ricoh	Year	ATX / STX			ATS / STS			Remarks	
		TLS APO		DCB II	TLS APO		DCB II		TLS 800
		23 mm	30 mm		23 mm	30 mm			
WG-5	2015			x			x	4 times Zoom, GPS, waterproof and shockproof	

DSLR Cameras for TLS APO or TLS 800 (T2 Adapters for Nikon, Canon and Sony DSLRs and for Micro 4/3 bayonet joints are available from SWAROVSKI OPTIK)

Nikon	Year	ATX / STX			ATS / STS			Remarks	
		TLS APO		DCB II	TLS APO		DCB II		TLS 800
		23 mm	30 mm		23 mm	30 mm			
APS/C Format	D3200	2013		x			x	24,2mp, Crop factor 1,5	
	D5300	2013		x			x	Live View, good Quality at reasonable price, moveable display, Crop factor 1,5	
	D7100	2013		xx			xx	High ISO, very good APS-C Sensor, Crop factor 1,5	
	D5500	2015		x			x	High ISO, very good APS-C Sensor, Crop factor 1,5	

Full Format (vignetting with TLS APO)	D600	2013		x (DX)			x (DX)	x	full format camera, changeable from FX to DX - on board (DX=APS-C)
	D610	2013		xx (DX)			xx (DX)	xx	full format camera, changeable from FX to DX - on board (DX=APS-C)
	D4s	2014		x (DX)			x (DX)	x	full format camera, changeable from FX to DX - on board (DX=APS-C)
	D750	2014		x (DX)			x (DX)	x	full format camera, changeable from FX to DX - on board (DX=APS-C)
	D810 series	2014/15		xx (DX)			xx (DX)	xx	full format camera, changeable from FX to DX - on board (DX=APS-C)

Canon	Year	ATX / STX			ATS / STS			Remarks	
		TLS APO		DCB II	TLS APO		DCB II		TLS 800
		23 mm	30 mm		23 mm	30 mm			
APS/C Format	EOS 100D	2013		x			x	touch screen, crop factor 1,6	
	EOS 700D	2013		x			x	vari angle touch screen, crop factor 1,6	
	EOS 70D	2013		xx			xx	vari angle touch screen, crop factor 1,6, Wi-Fi	
	EOS 7D II	2014		xx			xx	crop factor 1,6, full HD-videos, no touch screen	
	EOS 750D	2015		x			x	successor to EOS 700D, crop factor 1,6, moveable display	
	EOS 760D	2015		x			x	successor to EOS 700D, crop factor 1,6, moveable display	

Full Format (vignetting with TLS APO)	EOS 1D X	2012		x			x	xx	full ormat, 12 frames/sec. (vignetting elimination in postprocessing)
	EOS 5D Mark III	2012		x			x	xx	22,3mp full format (vignetting elimination in postprocessing)
	EOS 6D	2013		x			x	xx	Wi-Fi file transfer and remote control, GPS records your location (vignetting elimination in postprocess.)
	EOS 5DS	2015		x			x	xx	50mp full format (vignetting elimination in postprocessing)

Sony SLT	Year	ATX / STX			ATS / STS			Remarks	
		TLS APO		DCB II	TLS APO		DCB II		TLS 800
		23 mm	30 mm		23 mm	30 mm			
	SLT-A77 II	2014		x			x	APS-C Sensor, 24,3mp, Live View	

System Cameras

The TLS APO 23 mm is an adapter perfectly matched to Micro 4/3 cameras. The main benefit of the Micro 4/3 camera + TLS APO 23 mm system is that the smaller focal length means that lower aperture values are achieved.

Panasonic	Year	ATX / STX			ATS / STS			Remarks	
		TLS APO		DCB II *	TLS APO		DCB II *		TLS 800
		23 mm	30 mm		23 mm	30 mm			
		* all systems used with DCB II are recommended with a 20mm pancake lens or 14-42mm (GX Vario) aspherical lens							
G5	2012	xx	x	x	xx	x	x	x	fast autofocus, easy menu, touch screen, electronic viewfinder, full HD Videos, remote control
GF5	2012	xx	x	x	xx	x	x	x	fast autofocus, easy menu, touch screen, full HD Videos - successor to GF3 (no electronic view finder)
GX1	2012	xx	x	x	xx	x	x	x	fast autofocus, easy menu, touch screen, full HD Videos, remote-control release, positioned between G3 and GF 3
GX7	2013	xx	x	x	xx	x	x	x	focus peaking, IS-sensor, Wi-Fi
GH5	2013	xx	x	x	xx	x	x	x	fast autofocus, easy menu, touch screen, electronic viewfinder, full HD Videos, Wi-Fi
G6	2013	xx	x	x	xx	x	x	x	fast autofocus, easy menu, touch screen, electronic viewfinder, full HD Videos, remote control
GH4	2014	xx	x	x	xx	x	x	x	fast autofocus, easy menu, touch screen, electronic viewfinder, remote control, 4k videos, Wi-Fi
GM5	2014	xx	x	x	xx	x	x	x	compact, fast autofocus, easy menu, touch screen, electronic viewfinder, remote control, Wi-Fi
GF7	2015	xx	x	x	xx	x	x	x	fast autofocus, easy menu, touch screen, electronic viewfinder, remote control, Wi-Fi

Olympus	Year	ATX / STX			ATS / STS			Remarks	
		TLS APO		DCB II *	TLS APO		DCB II *		TLS 800
		23 mm	30 mm		23 mm	30 mm			
		* all systems used with DCB II are recommended with a 20mm pancake lens or 14-42mm (GX Vario) aspherical lens							
OM-D E-M5	2012	xx	x	x	xx	x	x	x	electronic viewfinder, fast autofocus, moveable OLED touch screen, IS-sensor, 5-axes image stabilizer
OM-D E-M1	2013	xx	x	x	xx	x	x	x	IS-sensor, 5-axes image stabilizer, Wi-Fi
Pen E-P5	2013	x	x	x	x	x	x	x	OLED display with fast touch auto focus, HD Videos
Pen EP L 5	2013	x	x	x	x	x	x	x	L stands for light, LCD Touch Screen, moveable up and down
OM-D E-M10	2014	xx	x	x	xx	x	x	x	electronic viewfinder, 3-axes image stabilizer, Wi-Fi
OM-D E-M5 II	2015	xx	x	x	xx	x	x	x	electronic viewfinder, fast autofocus, moveable touch screen, 5-axes image stabilizer, Wi-Fi

Sony	Year	ATX / STX			ATS / STS			Remarks	
		TLS APO		DCB II	TLS APO		DCB II		TLS 800
		23 mm	30 mm		23 mm	30 mm			
Alpha 7	2013		xx		xx		xx	Full-format camera (Sony E-mount) with crop-on function - T2 Adapter for E-mount required Full HD video, Wi-Fi with NFC	
Alpha 7R	2013		xx		xx		xx	Full-format camera (Sony E-mount) with crop-on function - T2 Adapter for E-mount required Full HD video, Wi-Fi with NFC	
Alpha 7 II	2014		xx		xx		xx	Full-format camera (Sony E-mount) with crop-on function - T2 Adapter for E-mount required 5-axes image stabilizer, Full HD video, Wi-Fi with NFC	
Alpha 7S	2014		xx		xx		xx	Full-format camera (Sony E-mount) with crop-on function - T2 Adapter for E-mount required 4k videos, Wi-Fi with NFC	
Alpha 5000	2014		x		x		x	successor to NEX-3, APS-C sensor, T2 Adapter for E-mount required, Wi-Fi & NFC	
Alpha 5100	2014		x		x		x	successor to NEX-5T, APS-C sensor, T2 Adapter for E-mount required, Wi-Fi & NFC	
Alpha 6000	2014		x		x		x	successor to NEX-6, APS-C sensor, T2 Adapter for E-mount required, Wi-Fi & NFC	

Samsung	Year	ATX / STX			ATS / STS			Remarks	
		TLS APO		DCB II	TLS APO		DCB II		TLS 800
		23 mm	30 mm		23 mm	30 mm			
NX1	2014		x			x		APS-C Sensor, touch screen, electronic view finder, Wi-Fi - T2 Adapter for NX mount required	
NX3000	2014		x			x		APS-C Sensor, touch screen, movable display, Wi-Fi - T2 Adapter for NX mount required	
NX300M	2014		x			x		APS-C Sensor, touch screen, movable display, Wi-Fi - T2 Adapter for NX mount required	

Fujifilm	Year	ATX / STX			ATS / STS			Remarks	
		TLS APO		DCB II	TLS APO		DCB II		TLS 800
		23 mm	30 mm		23 mm	30 mm			
X-T1	2014		xx			xx		APS-C sensor, electronic view finder, Wi-Fi - T2 Adapter for Fuji X mount required	

Canon	Year	ATX / STX			ATS / STS			Remarks	
		TLS APO		DCB II	TLS APO		DCB II		TLS 800
		23 mm	30 mm		23 mm	30 mm			
EOS-M 3	2015		x			x		crop factor 1,6, APS-C, T2 Adapter for EF-M bajonett required	

x	recommended
xx	highly recommended

DCB II	Digital Camera Base - 2nd Generation
TLS APO 23 mm	Telefoto Lens System Apochromat designed for Micro 4/3 cameras
TLS APO 30 mm	Telefoto Lens System Apochromat designed for APS-C cameras
TLS 800	Tele Lens System