

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 HD/STS HD telescopes and the SWAROVSKI OPTIK digital camera adapters TLS APO, DCB II, TLS 800 or DCB and the Snap Shot Adapter for EL and SLC binoculars. For ATS HD/STS HD telescopes we recommend the use of 25-50x W eyepiece. When using TLS APO or TLS 800 a T2 Adapter is necessary (T2 Adapter for Nikon, Canon and Sony DSLRs and for Micro 4/3 bayonet joint is available from SWAROVSKI OPTIK).

Compact cameras

Canon	Year	ATX / STX		ATS HD / STS HD			EL + SLC	Remarks	
		TLS APO	DCB II	TLS APO	DCB	TLS 800	SSA		
PowerShot S110	2012		xx		xx		xx	5 times Zoom, successor to S95	
PowerShot S120	2013		xx		xx		xx	5 times Zoom, successor to S100	
PowerShot A810	2012		x		x		x	5 times Zoom, HD Videos 720p	
PowerShot A1400	2013		x		x		x	5 times Zoom, HD Videos 720p	
PowerShot A2300 IS	2012		x		x		x	5 times Zoom, HD Videos 720p	
PowerShot A3400 IS	2012		x		x		x	5 times Zoom, HD Videos 1080p	
PowerShot G1x	2012	DOES NOT WORK!!!							4 times Zoom, High End Compact Camera
PowerShot G16	2013	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 HD / STS HD			EL + SLC	Remarks
		TLS APO	DCB II	TLS APO	DCB	TLS 800	SSA	
P310	2012		xx		xx		xx	Good Sensor and high quality lenses, HD Video, easy menu (wheel); Wi-Fi
P330	2013		xx		xx		xx	Good Sensor and high quality lenses, HD Video, easy menu (wheel); Wi-Fi
S02	2013		x		x		x	3 times Zoom
AW110	2013		x		x		x	5 times Zoom, waterproof, Wi-Fi, GPS

Sony	Year	ATX / STX	ATS HD / STS HD				EL + SLC	Remarks	
		TLS APO	DCB II	TLS APO	DCB	TLS 800	SSA		
	DSC-W30	2012		x		x		x	5 times Zoom, 16,2mp
	DSC-W50	2012		x		x		x	5 times Zoom, 16,2mp
	DSC-W70	2012		x		x		x	5 times Zoom, 16,2mp
	DSC-RX100	2012		x		x		x	3,57 times Zoom (adjust camera according focal length)

Samsung	Year	ATX / STX	ATS HD / STS HD				EL + SLC	Remarks	
		TLS APO	DCB II	TLS APO	DCB	TLS 800	SSA		
	ST88	2012		x		x		x	5 times Zoom
	DV300F	2012		x		x		x	5 times Zoom

Olympus	Year	ATX / STX	ATS HD / STS HD				EL + SLC	Remarks	
		TLS APO	DCB II	TLS APO	DCB	TLS 800	SSA		
	Tough TG-2	2013		x		x		x	4 times Zoom, 12mp, GPS module, waterproof

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

Nikon		Year	ATX / STX		ATS HD / STS HD			EL + SLC	Remarks
			TLS APO	DCB II	TLS APO	DCB	TLS 800	SSA	
APS/C Format	D300S	2009	x		x		x		High ISO, very good Sensor, Crop factor 1,5
	D3200	2013	x		x		x		24,2mp, Crop factor 1,5
	D5300	2013	x		x		x		Live View, good Quality at reasonable price, good Kid Offers, moveable display, Crop factor 1.5
	D7100	2013	x		x		x		High ISO, very good APS-C Sensor, Crop factor 1,5

Full Format (vignetting with TLS APO)	D3	2011	x (DX)				x		professional camera, full format, changeable from FX to DX
	D4	2012	x (DX)				x		16,2mp FX Sensor - full format, HD Videos, High End Camera, changeable from FX to DX
	D600	2013	x (DX)				x		full format camera, changeable from FX to DX
	D610	2013	x (DX)				x		full format camera, changeable from FX to DX
	D800	2012	x (DX)				xx		36,3mp FX Sensor, full format Camera, HD Videos, changeable from FX to DX

Canon		Year	ATX / STX		ATS HD / STS HD			EL + SLC	Remarks
			TLS APO	DCB II	TLS APO	DCB	TLS 800	SSA	
APS/C Format	EOS 60D	2010	x		x		x		Live View, comperable to Nikon D7000, crop factor 1,6
	EOS 70D	2010	xx		xx		xx		Wi-Fi remote control, image review and sharing, crop factor 1,6
	EOS 100D	2013	x		x		x		touch screen, crop factor 1,6
	EOS 600D	2011	x		x		x		Live View, comperable to Nikon D90, crop factor 1,6
	EOS 700D	2013	x		x		x		vari angle touch screen, crop factor 1,6

Full Format (vignetting with TLS APO)	EOS 1D X	2012					x		Full Format, 12 frames/sec.
	EOS 5D Mark III	2012					x		22,3mp Full Format
	EOS 6D	2013					x		Wi-Fi file transfer and remote control, GPS records your location

Sony SLT-Translucent Mirror-Technology		Year	ATX / STX		ATS HD / STS HD			EL + SLC	Remarks
			TLS APO	DCB II	TLS APO	DCB	TLS 800	SSA	
	SLT-A58	2013	x		x		x		APS-C Sensor, 8 frames/sec., 20,1mp, Live View
	SLT-A65	2012	x		x		x		APS-C Sensor, 10 frames/sec., 24,3mp, Live View
	SLT-A77	2012	x		x		x		APS-C Sensor, 12 frames/sec., 24,3mp, Live View
	SLT-A99	2013					x		24,3mp 35mm full frame sensor (vignetting with TLS APO),

System Cameras (Hybrid) with 25-50x W Eyepiece

Panasonic	Year	ATX / STX		ATS HD / STS HD			EL + SLC	Remarks	
		TLS APO	DCB II	TLS APO	DCB	TLS 800	SSA		
		* all systems used with DCB and DCB II are recommended with a 20mm pancake lens or 14-42mm (GX Vario) aspherical lens							
G3	2011	xx	xx	xx	xx	xx		fast autofocus, easy menu, touch screen, electronic viewfinder, full HD Videos, remote control	
G6	2013	xx	xx	xx	xx	xx		fast autofocus, easy menu, touch screen, electronic viewfinder, full HD Videos, remote control	
GF3	2011	xx	xx	xx	xx	xx		fast autofocus, easy menu, touch screen, full HD Videos, compact (no electronic view finder)	
GF5	2012	xx	xx	xx	xx	xx		fast autofocus, easy menu, touch screen, full HD Videos - successor to GF3 (no electronic view finder)	
GH3	2012	xx	xx	xx	xx	xx		fast autofocus, easy menu, touch screen, electronic viewfinder, full HD Videos, Wi-Fi	
GH5	2013	xx	xx	xx	xx	xx		fast autofocus, easy menu, touch screen, electronic viewfinder, full HD Videos, Wi-Fi	
GX-1	2012	xx	xx	xx	xx	xx		fast autofocus, easy menu, touch screen, full HD Videos, remote-control release, positioned between G3 and GF 3	
GX7	2013	xx	xx	xx	xx	xx		focus peaking, IS-sensor, Wi-Fi	

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

Sony	Year	ATX / STX		ATS HD / STS HD			EL + SLC	Remarks
		TLS APO	DCB II	TLS APO	DCB	TLS 800	SSA	
A7	2013	x		x		xx		Full-format camera (Sony E-mount) with crop-on function - T2 Adapter for E-mount required. Full HD video, Wi-Fi with NFC
A7R	2013	x		x		xx		Full-format camera (Sony E-mount) with crop-on function - T2 Adapter for E-mount required. Full HD video, Wi-Fi with NFC

Samsung	Year	ATX / STX		ATS HD / STS HD			EL + SLC	Remarks
		TLS APO	DCB II	TLS APO	DCB	TLS 800	SSA	
NX 200	2011	x		x		x		30mm Pancake or 20-50mm kit lens, APS-C Sensor, HD video

Nikon 1		Year	ATX / STX		ATS HD / STS HD			EL + SLC	Remarks
			TLS APO	DCB II	TLS APO	DCB	TLS 800	SSA	
	J1	2011	x		x		x		crop factor 2,8, viewer features, T to F adapter needed (the considerable extension of focal length might lead to image noise)
	V1	2011	x		x		x		crop factor 2,8, alloy housing, touch screen, T to F adapter needed (the considerable extension of focal length might lead to image noise)
	V2	2012	x		x		x		crop factor 2,8, alloy housing, touch screen, T to F adapter needed (the considerable extension of focal length might lead to image noise)
	AW 1	2013	x		x		x		crop factor 2,8, alloy housing, touch screen, waterproof, T to F adapter needed (the considerable extension of focal length might lead to image noise)

Canon		Year	ATX / STX		ATS HD / STS HD			EL + SLC	Remarks
			TLS APO	DCB II	TLS APO	DCB	TLS 800	SSA	
	EOS-M	2012	x		x		x		crop factor 1,6, APS-C, M to EOS adapter needed

x	recommended
xx	highly recommended

SSA			Snap Shot Adapter
DCB			Digital Camera Base
DCB II			Digital Camera Base - 2 nd Generation
TLS APO			Tele Lens System for all Telescopes
TLS 800			Tele Lens System