

## 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, Sony and Micro 4/3 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		
Canon S 100	2012		xx		xx		xx	5 times Zoom, successor to S95	
Canon S 110	2012		xx		xx		xx	5 times Zoom, successor to S100	
Power Shot D10	2012		x		x		x	3 times Zoom, waterproof, Image Stabilizer	
Power Shot A 2200 IS	2012		x		x		x	4 times Zoom, Image Stabilizer	
Power Shot A 2300 IS	2012		x		x		x	5 times Zoom, HD Videos 720p	
Power Shot A 2400 IS	2012		x		x		x	5 times Zoom, HD Videos 720p	
Power Shot A 3200 IS	2012		x		x		x	5 times Zoom, HD Videos 1080p	
Power Shot A 3300 IS	2012		x		x		x	5 times Zoom, HD Videos 1080p	
Power Shot A 3400 IS	2012		x		x		x	5 times Zoom, HD Videos 1080p	
IXUS 115 HS	2011		x		x		x	4 times Zoom, Image Stabilizer, Full HD Videos	
IXUS 125 HS	2011		x		x		x	5 times Zoom	
IXUS 220 HS	2012		x		x		x	5 times Zoom	
IXUS 240 HS	2012		x		x		x	5 times Zoom	
Canon IXUS 300 (SD4000)	2010		x		x		x	Good Sensor, High Picture Rate, HD Video, easy menu	
Canon S 90	2010		x		x		x	Good Sensor and high quality lenses, easy menu (wheel)	
Canon S 95	2010		xx		xx		xx	Good Sensor and high quality lenses, HD Video, easy menu (wheel)	
Power Shot G1x	2012	DOES NOT WORK!!!							4 times Zoom, High End Compact Camera
Power Shot G15	2012	DOES NOT WORK!!!							5 times Zoom, High End Compact Camera
Models of Power Shot 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		
Nikon P300	2011		xx		xx		xx	Good Sensor and high quality lenses, HD Video, easy menu (wheel)	
Nikon P310	2012		xx		xx		xx	Good Sensor and high quality lenses, HD Video, easy menu (wheel); wifi	

Sony	Year	ATX / STX		ATS HD / STS HD			EL + SLC		Remarks
		TLS APO	DCB II	TLS APO	DCB	TLS 800	SSA		
DSC W 30	2012		x		x		x	5 times Zoom, 16,2mp	
DSC W 50	2012		x		x		x	5 times Zoom, 16,2mp	
DSC W 70	2012		x		x		x	5 times Zoom, 16,2mp	
DSC W 530	2012		x		x		x	4 times Zoom, 14,1mp	
DSC W 550	2012		x		x		x	4 times Zoom, 14,1mp	
DSC W 560	2012		x		x		x	4 times Zoom, 14,1mp	
DSC W 610	2012		x		x		x	4 times Zoom, 14,1mp	
DSC W 620	2012		x		x		x	5 times Zoom, 14,1mp	
DSC W 630	2012		x		x		x	5 times Zoom, 16,1mp	
DSC W 650	2012		x		x		x	5 times Zoom, 16,1mp	

**DSLR Cameras for TLS APO or TLS 800 (T2 Adapter for Nikon, Canon, Sony and Micro 4/3 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	Nikon D 90	2009	x		x		x		Live View, good Quality at reasonable price, good Kid Offers
	Nikon D 300s	2009	x		x		x		High ISO, very good Sensor
	Nikon D 3100	2012	x		x		x		14,2mp
	Nikon D 5100	2011	x		x		x		Live View, good Quality at reasonable price, good Kid Offers, moveable display
	Nikon D 7000	2010	x		x		x		High ISO, very good APS-C Sensor

Full Format	Nikon D 3x	2009					x		professional camera, full format
	Nikon D4	2012					x		16,2mp FX Sensor - Full Format, HD Videos, High End Camera
	Nikon D700	2009					xx		full format camera
	Nikon D800	2012					xx		36,3mp FX Sensor, Full format Camera, HD Videos

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 - 7 D	2010	xx		xx		xx		good Live View functionality, high quality Sensor, high frame rate, APS-C Sensor
	EOS - 60 D	2010	x		x		x		Live View, comperable to Nikon D7000
	EOS - 600 D	2011	x		x		x		Live View, comperable to Nikon D90
	EOS - 1100 D	2011	x		x		x		Live View, comperable to Nikon D90

Full Format	EOS - 1 Ds Mark III	2008					x		professional camera
	EOS - 1Dx	2012					x		Full Format, 12 frames/sec.
	EOS-1D Mark IV	2012					x		Full Format, 10 frames/sec.
	EOS - 5 D Mark II	2009					x		full format camera, high image quality
	EOS-5D Mark III	2012					x		22,3mp Full Format

Sony DSLR		Year	ATX / STX		ATS HD / STS HD			EL + SLC	Remarks
			TLS APO	DCB II	TLS APO	DCB	TLS 800	SSA	
APS/C Format	Sony A 290	2012	x		x		x		APS C Sensor, 2,5 frames/sec, 14,2mp
	Sony A 390	2012	x		x		x		APS C Sensor, 2,5 frames/sec, 14,2mp
	Sony A 450	2012	x		x		x		APS C Sensor, 7 frames/sec, 14,2mp
	Sony A 580	2012	x		x		x		APS C Sensor, 7 frames/sec, 16,2mp
	Sony A 700	2008	x		x		x		IS 12,24mp
Full Format	Sony A 850	2009					x		Full Format, 3 frames/sec, 24,6mp
	Sony A 900	2009					x		IS 24,6mp, 850gr Full Format, 5 frames/sec

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 - A33	2012	x		x		x		APS - C Sensor, 7 frames/sec., 14,2mp, Live View
	SLT - A35	2012	x		x		x		APS - C Sensor, 5,5 frames/sec., 16,2mp, Live View
	SLT - A55	2012	x		x		x		APS - C Sensor, 10 frames/sec., 26,2mp, 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

### 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
	GF 3	2011	xx	xx	xx	xx	xx		fast autofocus, easy menu, touch screen, full HD Videos, compact (no electronic view finder)
	GH 3	2012	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
	G5	2012	xx	xx	xx	xx	xx		fast autofocus, easy menu, touch screen, electronic viewfinder, full HD Videos, remote control - successor to G3
	GF 5	2012	xx	xx	xx	xx	xx		fast autofocus, easy menu, touch screen, full HD Videos - successor to GF3 (no electronic view finder)

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 14-42mm lens							
Pen E-P3	2011	x	x	x	x	x			OLED display with fast touch auto focus, HD Videos, electronic Viewfinder
Pen EP L 3	2011	x	x	x	x	x			L stands for light, LCD Touch Screen, moveable up and down
Pen EP L 2	2011	x	x	x	x	x			L stands for light, LCD Touch Screen, moveable up and down
Pen EP M 1	2011	x	x	x	x	x			M stands for Mini, less features, same image Quality
OM-D E-M5	2012	x	x	x	x	x			electronic wiewfinder, fast autofocus, moveable OLED touch screen

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	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			10-30mm Lens, crop factor 2,8, viewer features
V1	2011	x		x		x			10-30mm Lens, crop factor 2,8, alloy housing, touch screen

x	recommended
xx	highly recommended

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