

Details for SP-500 UltraZoom



Details

- 6.0 million pixels
- Bright 10x zoom lens (equiv. to 38-380mm) 1:2.8-3.7, plus 5x digital zoom
- Electronic viewfinder with 201,600 pixels
- 6.4cm/2.5" LCD
- Auto, Programme, Aperture Priority, Shutter priority and manual exposure and 21 scene modes (e.g. Portrait, Landscape, Sports, Sunset)
- Focusing options: iESP autofocus and Spot incl. option for selectable AF area with 143 points, plus Predictive AF for back or forward moving subjects
- Super Macro mode up to 3cm
- Histogram function in shooting mode and playback
- Auto Bracketing for up to 5 frames
- Sequence shooting with 2.5 shots per second up to 3 images
- Recording in JPEG or RAW format
- Movie recording with sound up to QVGA size at 30fps (recording up to the capacity of the memory)
- 10MB internal memory plus xD-Picture Card slot
- TruePic TURBO image processor
- USB AutoConnect
- PictBridge compatible
- Optional macro, tele and wide converters can be attached

Compact 10x ultra-zoom with 6.0 million pixels

Get to the heart of the action. Even when standing from afar the Olympus SP-500UZ brings distant subjects in close. It offers photographers the power and flexibility of a precision 10x zoom lens system (equivalent to 38-380mm), which at 1:2.8-3.7 is superbly bright across the entire focal range. Matched with 6.0 million pixels, the camera assures high-definition compositions that make a lasting impression. On top of 21 scene

modes, auto exposure and full manual control, Aperture and Shutter Priority are also available to give photographers ample room for creativity and experimentation. Exposure distribution information can be checked on the extra-large 6.4cm LCD either during playback or in real time while framing thanks to the histogram function. And to guarantee sharpness in just about any situation, the SP-500UZ incorporates a precision autofocus system as well as spot AF and multi-spot AF – selectable from 143 points – plus predictive AF measurements for back or forward moving subjects. Great movies with sound can be captured too – in up to QVGA size at 30fps. Its ergonomic, professionally-formed body together with a large range of advanced features makes this model ideal for taking along to sporting events, nature hikes or while travelling.

Get close to the subject

Boasting a bright (1:2.8-3.7) 10x optical zoom that covers a 38-380mm focal range (35mm camera equivalent), the SP-500UZ is geared for extreme shooting flexibility. It allows subjects – like a player on the far end of a football field – to be picked out and captured in full-format compositions. Even greater zoom power is available by using the optional TCON-17* tele converter, which extends magnification by a factor of 1.7x for an incredible maximum focal length of 646mm (35mm camera equivalent). The camera's wide angle capabilities can be boosted too with the WCON-07* to enable stunning 27mm views (35mm equivalent). Photographers can also shoot from extremely close in Super Macro mode which allows photos from a distance of merely 3cm. Furthermore, the TruePic TURBO processor ensures all image data is rapidly and optimally processed for striking pictures each time.

Helping to keep the scene and photographic parameters fully in sight, this model features an extra-large 6.4cm LCD for framing shots, and naturally, also to enjoy comfortable viewing of the results. Additionally, an electronic viewfinder with 201,600 pixels is available.

The freedom to be creative

On the one hand the SP-500UZ satisfies demands for easy, comfortable shooting with the minimum of effort: A range of 21 scene modes that cover the majority of shooting situations like portraits, sports action or sunsets are included. On the other hand, ambitious users require flexibility to support their creativity. That's why this model not only offers Aperture and Shutter Priority shooting but also the alternative for full manual exposure control. Light distribution can be checked by using the histogram function – accessible in both shooting and playback modes. And for automatically ensuring pictures have the best exposure values, Auto Bracketing takes a series of up to five shots in +/- 1/3EV increments from which the best image may then be selected.

Various focusing options also exist: From iESP autofocus through to spot and multi-spot AF with a selectable AF area offering 143 points and, of course, manual focus – photographers dictate the level of control they require. Moreover, as with the EISA Award-winning Olympus C-7070 Wide Zoom, the SP-500UZ incorporates a Predictive AF system. It detects the distance of back or forward moving subjects and then calculates their predictive location at the moment of shutter release. This is especially useful when photographing playing children or wildlife, for example. With the sequence shooting function, a series of movement is captured at 2.5 frames per second. And for depicting all the action in more smooth, fluid motion, this model also permits movie recording with

sound. The footage is recorded in up to QVGA quality at 30fps, and the length is only limited by the amount of memory available. Getting photos and movies from the camera to the PC or printer is fast and simple. Thanks to USB AutoConnect, and due to PictBridge support, the SP-500UZ can be connected directly to any printer supporting this standard – such as the Olympus P-11, which produces 10x15cm borderless prints in just 33 seconds.

The option exists to not only record pictures as JPEGs, but also in RAW format – which keeps image data exactly as it was captured without further processing, providing users total control during any subsequent editing. Photos are saved on either the internal memory (10MB) or removable xD-Picture Cards.

Combining numerous advanced photographic features with 10x ultra-zoom versatility and the power of 6.0 million pixels, the compact and ergonomic Olympus SP-500UZ provides ambitious users with a potent tool to fulfil their creative impulses. It comes with the Olympus Master software and will be available from autumn 2005.

Specifications for SP-500 UltraZoom



Specifications

Model	SP-500 ULTRA ZOOM
Type	Digital camera with 6.4cm/2.5" colour TFT LCD monitor.
Image sensor	
Image sensor	1/2.5" CCD with 6.37 million pixels.
Effective pixel number	6.0 million pixels (the actual number of pixels used in image processing).
Filter array	Primary colour filter (RGB).
Media	
Storage media type	10 MB internal memory for image data. Removable xD-Picture Card (16, 32, 64, 128, 256, 512MB and 1GB).
Lens	
Optical zoom	10x.
Structure	11 lenses in 7 groups, including 2 double-sided aspherical lens elements.
Filter diameter	45.6mm (Use CLA-4 to attach conversion lenses).
Focal length	6.3 – 63mm (equivalent to 38 – 380mm lens in 35mm format).
Maximum aperture	1:2.8 (wide) – 3.7 (tele).

Digital zoom	1x – 5x.	
Viewfinder	Electronical Viewfinder with 201,600 pixels.	
LCD monitor	6.4cm/2.5" colour TFT LCD monitor with 115,000 pixels.	
Focusing		
System	TTL autofocus with contrast detection.	
Function	AF illuminator.	
Mode	Auto	Spot, iESP autofocus, Predictive AF, AF area is selectable from 143 points.
	Manual	Yes, with enlarged focusing area.
Working range	Standard mode	0,6m (wide) / 2m (tele)-infinity.
	Macro mode	Up to 7 cm (wide) / 120cm (tele).
	Super Macro mode	From as close as 3cm (wide).
Light metering		
Mode	Digital ESP metering, spot metering, centre weighted metering.	
Function	Histogram in shooting and playback mode, AE lock.	
Exposure		
Exposure control	Programme AE.	
	Auto, Programme, Aperture Priority, Shutter Priority, Manual Exposure.	
	21 Scene modes (Portrait, Landscape, Landscape and Portrait, Night Scene, Night & Portrait, Sports, Indoor, Candle, Self Portrait, Available Light Portrait, Sunset, Fireworks, Museum, Cuisine, Behind Glass, Documents, Auction, Beach, Snow, Shot & Select 1, Shot & Select 2).	
	4 settings storable ("My Mode").	
Shutter speed	15 – 1/1000 sec. (with Bulb mode up to 8 min.)	
Compensation	±2 EV in 1/3 EV steps.	
Auto bracketing	Up to 5 frames in 1/3 EV steps.	
Sensitivity		
	Auto	ISO automatically adjusted.

	Manual	ISO 80 / 100 / 200 / 400.
White balance		
Mode	Auto	Full-auto TTL ESP.
	WB adjustment	(red) -7 – (blue) +7.
	Pre-set	Overcast, Sunlight, Evening Sun, Tungsten, Fluorescent1, Fluorescent2, Fluorescent3.
	Full manual	One-touch.
Flash		
Pop-up flash	Modes	Auto (automatic activation in low and backlight), red-eye reduction, fill-in (forced activation), fill-in & red-eye reduction, off (no flash).
	Working range	0.3m – 4.5m (wide) or 1.2m- 3.4m (tele).
	Guide number	Approx. 9.
	Function	Flash compensation (± 2 EV). Salve function for studio flash available.
Sequence shooting		2.5 shots per second up to 3 images (High speed mode).
Interval shooting		2-99 frames with interval between the shots from 1 to 60 min.
Processing		
Image processing		TruePic TURBO, Pixel mapping, Noise reduction.
		Brightness ± 5 .
Image quality Adjustment		Saturation ± 5 .
		Contrast ± 5 .
Function shooting		Panorama function (only with optional Olympus xD-picture Card).
Movie processing		Digital image stabilizer.
Viewing		
Still image		Slide-show with several effects, Calendar, Album, Demo Mode.
Motion picture		Fast forward, Frame by Frame.
Editing		
Still image edit		RAW Data Edit, Red-eye fix, Re-size, Rotation, Trimming, Sepia mode, Black & White mode, Frame insert, Title insert, Calendar insert, Layout composition.

Motion picture edit Index, Edit.

Recording system

Still image JPEG (DCF: "Design rule for Camera File system"),RAW, Exif 2.2 support, DPS and Print Image Matching III support, DPOF support.

Motion picture QuickTime Motion JPEG® * with Sound.

Movie sound / voice recording WAVE format.

Number of storable frames (approx., with internal memory)

2,816 x 2,112	RAW: 1
	SHQ: 2
	HQ: 7
2,816 x 1,877 (3:2)	SHQ: 2
	HQ: 8
2,592 x 1,944	SQ1 high: 2
	normal: 8
2,288 x 1,712	SQ1 high: 3
	normal: 10
2,048 x 1,536	SQ1 high: 4
	normal: 13
1,600 x 1,200	SQ1 high: 7
	normal: 21
1,280 x 960	SQ2 high: 11
	normal: 32
1,024 x 768	SQ2 high: 17

	normal: 50
640 x 480	SQ2 high: 43
	normal: 103

Motion picture mode Up to the capacity of the xD-Picture Card. With internal memory: QVGA (320 x 240 pixels), at 30 frames/sec.: 15 sec. QVGA (320 x 240 pixels), at 15 frames/sec.: 31 sec.

Power supply

Rechargeable batteries 4 x AA Ni-MH rechargeable batteries,

One time use batteries 4 x AA alkaline batteries.

AC adapter Optional AC adapter C-8AC;
AC 100V-240V, 50-60Hz; DC 6.5V and 2A.

Interface

DC input terminal,
USB Auto Connect interface combined with audio/video output terminal (PAL).

Other features

DPOF setting Single-frame print reservation, all print reservation, number of prints, date display.

Direct printing (DPS) PictBridge and PictBridge EasyPrint support allows direct printing with compatible printers.

Multilingual menu English / French / German / Spanish / Italian / Russian. Additional languages can be downloaded through OLYMPUS Master software.

Guide function Displays help text for several functions.

Setting memorisation Yes.

Date/time/calendar system Up to year 2099.

Size

Dimensions 105.5 x 74.5 x 71.0 mm (W x H x D).

Weight 285 g (without batteries and memory card).

Box contents

Strap, USB cable, audio/video cable, 4x AA batteries, OLYMPUS Master 1.31.

Box Contents for SP-500 UltraZoom



Box Contents

This model comes with the following accessories:

Standard Box

- Camera
- Strap
- Alkaline batteries (4 pcs.)
- USB cable
- Audio/video cable
- Instruction manuals
- Warranty card
- Software CD-ROM (utility software)

Box Contents may vary locally and are subject to change without further notice.