



# SPYPEN™

## zym 3.3

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**Functional Design**

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**3.3 MP CCD SONY**

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**First Class Technology**

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**Deutsch**

First-class Technik mit funktionalem Design - die *Sypen zyra 3.3* liefert hervorragende Bilder in 3 Megapixel-Qualität. Darüber hinaus ist sie extrem bedienerfreundlich, bietet aber mit den umfassenden manuellen Einstellmöglichkeiten gleichzeitig ein Maximum an Individualität. Das richtige Modell für den ambitionierten Digitalfotograf, der die Vorzüge eines optischen Zooms zu schätzen weiß.

**English**

First-class technology with a functional design - the *Sypen zyra 3.3* produces excellent pictures in 3 megapixel quality. And the camera is not just extremely user friendly. Its comprehensive range of manual settings offers

maximum individual freedom at the same time. The right model for the ambitious digital photographer who appreciates the advantages of an optical zoom.

**Español**

Tecnología de primera clase con un diseño funcional - la *Sypen zyra 3.3* ofrece excelentes fotografías con una calidad de 3 megapíxeles. Es muy fácil de manejar, a la vez que proporciona un máximo de independencia gracias a sus numerosas posibilidades de ajuste manual. Es el modelo ideal para los fotógrafos digitales más ambiciosos que saben apreciar las ventajas del zoom óptico.

**Technical Specifications**

<b>Sensor</b>	3.34 megapixel CCD SONY
<b>Lens and Type</b>	5 groups, 6 lens
<b>Focal Length</b>	5,69 - 16,29 mm
<b>Equivalent to 35mm Camera</b>	37 - 108 mm
<b>Lens Speed</b>	2.6 - 4.9
<b>Shutter Speed</b>	1/2000 ~ 8 Sek.
<b>Optical Zoom</b>	3x
<b>Digital Zoom</b>	2x
<b>Focus Range</b>	Normal: 30 cm ~ infinity
<b>Exposure Control</b>	Auto/manual (1, 2, 4, 8 sec., off)
<b>Exposure Compensation</b>	from -2 up to +2 with 0.3 steps
<b>ISO Speed</b>	Automatisch, 100, 200, 400
<b>White Balance</b>	Auto/ manual (daylight/cloudy/tungsten/fluorescent/black-white)
<b>Viewfinder</b>	Optical and/or Display
<b>Color Display</b>	1.5" TFT-LCD Display
<b>Memory (internal)</b>	16MB NAND Flash memory
<b>Memory (external)</b>	SD Card (8-256MB)
<b>Storable Photos High Resolution</b>	F:11, N:22, 2048 x 1536
<b>Storable Photos Normal Resolution</b>	F:18, N:37, 1600 x 1200, N:90, 1024 x 768
<b>Storable Photos Low Resolution</b>	N:225, 640 x 480
<b>Recording Video Time, High Resolution, Speed</b>	320 x 240, ca. 55 sec., 15fps

<b>Photo File Format</b>	JPEG, EXIF 2.1
<b>Video File Format</b>	AVI
<b>Flash light</b>	Integrate (auto., Red-eye reduction, on/off) Effective Distance: 80cm ~ 2.0m (T), 3.0m (W)
<b>TV-Out</b>	PAL / NTSC
<b>Connection</b>	USB 1.1
<b>Auto Power Off</b>	1 min / 3 min / 5 min or off
<b>Power Supply</b>	2 x AA batteries, AC-adaptor or rechargeable batteries
<b>Power Consumption</b>	< 150 images — if LCD-Display is turned on
<b>Self Timer</b>	2 or 10 sec. with beep sound
<b>Dimensions</b>	107,5 x 63 x 36,4 mm
<b>Weight</b>	approx 172g
<b>Housing</b>	Plastic (ABS/ PC)
<b>System Requirements</b>	Windows 98SE, ME, 2000, XP, Mac OS 9.0 - X
<b>Accessories</b>	Driver (PC + Mac) Arcsoft Funhouse (PC + Mac) Arcsoft PhotoPrinter 2000 (PC + Mac) Arcsoft PhotoStudio 4.0 (PC + Mac) Arcsoft VideoImpression 1.6 (PC + Mac) Acrobat Reader Microsoft NetMeeting (PC) Instruction manual on CD Pouch Wrist Belt Cable (video, USB) 2 x AA Batteries Polaroid Warranty Card

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Item no.

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BAR Code

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Packing unit