

SP-800UZ - Specifications



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Image Sensor

Effective pixels	14 Megapixels
Filter array	Primary colour filter (RGB)
Full resolution	14.7 Megapixels
Type	1/2.33 " CCD sensor

Lens

Optical zoom	30 x (WIDE)
Focal length	4.9 - 147.0 mm
Focal length (equiv. 35mm)	28 - 840 mm
Maximum aperture	2.8 - 5.6
Structure	15 lenses / 10 groups
Aspherical glass elements	1
ED glass elements	3

Digital Zoom

Enlargement factor	5 x / 150 x combined with optical zoom
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LCD

Resolution	230000 dots
Monitor size	7.6 cm / 3.0 " (16:9)
LCD type	TFT
Frame assistance	Yes
Brightness adjustment	+/- 2 levels

Focusing System

Method	TTL iESP auto focus with contrast detection
AF illuminator	Yes
Modes	iESP, Face Detection AF, Spot, Selective Target, AF Tracking
Spot focusing	Yes , 143 AF areas selectable
Standard mode	0.1m - ∞ (wide) / 1.8m - ∞ (tele)
Makro mode	0.1m - ∞ (wide) / 1.8m - ∞ (tele)

Super Macro mode Closest focusing distance: 1 cm

Light Metering

Modes ESP light metering, Spot metering, Centre weighted metering
Histogram in shooting mode Yes

Exposure System

Modes i-Auto, Programme automatic, Scene Modes, Magic Filter, Panorama, Beauty, Movie
Shutter speed 1/2 - 1/2000 s / < 4 s (Night scene)
Exposure compensation +/- 2 EV / 1/3 steps
Exposure bracketing 5 frames / +/- 1/3, 2/3, 1 EV steps
Enhancement function Mechanical Image Stabilizer
Shadow Adjustment Technology
Advanced Face Detection Technology

Scene Modes

Number of scene modes 17
Modes Portrait, Landscape, Sports, Night Scene, Night Scene with portrait, Indoor, Candle, Sunset, Fireworks, Multi Fireworks, Multi-Exposure, Cuisine, Documents, Beach and Snow, Bird Watching, Soft Background, Pet

Magic Filter

Pop Art
Pin Hole
Fisheye
Sketch

Sensitivity

Auto AUTO / High AUTO
Manual ISO 50, 100, 200, 400, 800, 1600, 3200*, 6400*
* In reduced pixel mode

White Balance

AUTO WB system Yes
Preset values Overcast, Sunlight, Tungsten, Flourescent 1, Flourescent 2, Flourescent 3

Internal Flash

Working range (wide) 10.2 m (ISO 1000)
Working range (tele) 5.1 m (ISO 1000)
Modes AUTO, Red-eye reduction, Fill-in, Off, Red-eye reduction & Fill-in, Slow synchronisation

Sequence Shooting

Sequential shooting mode (high speed)	15.2 fps (in 2MP mode) 10.2 fps (in 3MP mode) 7.7 fps (in 5MP mode)
Sequential shooting mode	0.85 fps / 24 frames (Full Image Size)
Interval shooting	Yes

Image Processing

Noise reduction	Yes
Pixel mapping	Yes
TruePic III	Yes
Shading compensation	Yes

Function Processing

Panorama	Yes
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Image Editing

Black & White	Yes
Sepia	Yes
Center Focus	Yes
Resize	Yes
Trimming	Yes
Attach a calendar	Yes
Correction of brightness	Yes
Correction of saturation	Yes
Beauty Fix	Yes
Red-eye reduction	Yes
Shadow Adjustment	Yes

View Images

Modes	Single, Index, Zoom, Slide show, Collection, Event, Collage
Index	4x3 / 6x5 frames
Zoom	1.1 - 10 x
Auto rotation	Yes
Image protect mode	Yes
Histogram in playback mode	Yes

View Movie

Frame by frame	Yes
Fast forward	Yes
Reverse playback	Yes
Index jump	Yes

Still Image Recording

DCF	Yes
RAW	No
EXIF	2.21
PIM	III
DPS	PictBridge
DPOF	Yes

Movie Recording System

Image Stabilisation Mode	Digital Image Stabilisation
Recording format	MPEG-4
Movie quality	720P Recording time: 29min. VGA Recording time: no limit QVGA Recording time: no limit Note: maximum file size 4GB

Sound Recording System

Voice playback	Yes
Sound recording	Yes , format: AAC
Image footage	4 s
Speaker	Yes

Memory

Removable Media	SD / SDHC
Internal memory	2 GB
For shooting & storage	1.8 GB

Image Size

12M	3968 x 2976
8M	3264 x 2448
5M	2560 x 1920
3M	2048 x 1536
2M	1600 x 1200
1M	1280 x 960
VGA	640 x 480
16:9	4288 x 2416 1920 x 1080

Menu

Menu languages in camera	39
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Other Features

Self timer	2 / 12 s
Perfect Shot Preview	Yes
Menu guide	Yes
In-camera Manual	Yes
In-Camera Panorama	Yes
Photo Surfing	Yes
LED Illuminator	Yes

Power Supply

Battery	LI-50B Lithium-Ion Battery
Internal Charging	Yes

Interface

DC input	Yes (CB-MA3 required)
Combined A/V & USB output	Yes
USB 2.0 High Speed	Yes
HDMI™	Yes Type D

Size

Dimensions (W x H x D)	107.3 x 73.4 x 84.7 mm
Weight	416 g (including battery and memory card)