



# *PowerShot SX740 HS*

## Camera User Guide

ENGLISH

- Make sure you read this guide, including the “Safety Instructions” (12) section, before using the camera.
  - Reading this guide will help you learn to use the camera properly.
  - Store this guide safely so that you can use it in the future.
- Click the buttons in the lower right to access other pages.
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## Handling Precautions

- The camera is a high-precision electronic device. Avoid dropping it or subjecting it to strong impact.
- Never bring the camera near magnets, motors, or other devices that generate strong electromagnetic fields. Strong electromagnetic fields may cause malfunction or erase image data.
- If water droplets or dirt adheres to the camera or screen, wipe with a dry soft cloth, such as an eyeglass cloth. Do not rub hard or apply force.
- Never use cleaners containing organic solvents to clean the camera or screen.
- Use a blower brush to remove dust from the lens. If cleaning is difficult, contact a Customer Support Help Desk.
- Store unused battery packs in a plastic bag or other container. To maintain battery performance if you will not use the battery pack for some time, about once a year charge it and then use the camera until it runs out of power before storing the battery pack.

## Specifications





### Image Sensor

Image size ..... 1/2.3 type  
 Camera effective pixels  
 (Image processing may cause  
 a decrease in the number of pixels.) ..... approx. 20.3 megapixels  
 Total pixels ..... approx. 21.1 megapixels

### Lens

Focal length  
 (35mm film equivalent) ..... 4.3 – 172.0 mm  
 (24 – 960 mm)  
 Zoom magnification ..... 40x

Shooting range (measured from the tip of the lens)

Shooting Mode	Focus Range	Maximum Wide Angle (  )	Maximum Telephoto (  )
AUTO*	–	1 cm (0.4 in.) – Infinity	2.0 m (6.6 ft.) – Infinity
Other than the above		5 cm (2.0 in.) – Infinity	2.0 m (6.6 ft.) – Infinity
		1 – 50 cm (0.4 in. – 1.6 ft.)	–

\* Manual Focus is the same.

## ■ Shutter

### Shutter speed

#### Auto Mode (automatic settings)

Max. Tv ..... 1 sec.  
Min. Tv ..... 1/3200 sec.

#### Range in all shooting modes

Max. Tv ..... 15 sec.  
Min. Tv ..... 1/3200 sec.

#### Available Tv values (sec.)

Shooting mode ..... M mode / Tv mode  
15, 13, 10, 8, 6, 5, 4, 3.2, 2.5, 2,  
1.6, 1.3, 1, 0.8, 0.6, 0.5, 0.4, 0.3,  
1/4, 1/5, 1/6, 1/8, 1/10, 1/13, 1/15,  
1/20, 1/25, 1/30, 1/40, 1/50, 1/60,  
1/80, 1/100, 1/125, 1/160, 1/200,  
1/250, 1/320, 1/400, 1/500, 1/640,  
1/800, 1/1000, 1/1250, 1/1600,  
1/2000, 1/2500, 1/3200

## ■ Aperture

### F number

Wide angle ..... 3.3 – 8.0  
Telephoto ..... 6.9 – 8.0

## ■ Flash Control

### Built-in Flash

#### Flash range (Max. wide angle)

closest point ..... approx. 50 cm (1.6 ft.)  
farthest point ..... approx. 5.0 m (16.4 ft.)

#### Flash range (Telephoto end)

closest point ..... approx. 2.0 m (6.6 ft.)  
farthest point ..... approx. 2.5 m (8.2 ft.)

## ■ Screen

Type ..... TFT color liquid crystal

Screen Size ..... 3.0 type

Number of dots ..... approx. 0.92 million dots

## ■ Shooting

### Digital zoom

Magnification ..... approx. 4x  
Maximum with optical zoom ..... approx. 160x  
Focal length (telephoto end,  
35mm film equivalent) ..... approx. 3840 mm equivalent  
ZoomPlus  
(Number of recording pixels L) ..... approx. 80x

### Continuous shooting

#### Shooting speed\*

##### One-Shot AF

Continuous shooting speed  
(high-speed) ..... maximum approx. 10.0 shots/sec.  
Continuous shooting speed  
(low-speed) ..... maximum approx. 4.0 shots/sec.

##### Servo AF

Continuous shooting speed  
(high-speed) ..... maximum approx. 7.4 shots/sec.  
Continuous shooting speed  
(low-speed) ..... maximum approx. 4.0 shots/sec.

\* Continuous shooting speed may become slower due to the following factors:  
Tv value/Av value/Subject conditions/Shooting environment/Use of flash/ISO  
Speed/Zoom position

## Recording

File format.....DCF-compliant DPOF compatible  
(Version 1.1)

### Data type

#### Still image

Recording format.....Exif 2.31 (DCF2.0)  
Image.....JPEG only

#### Movie

Recording format.....MP4  
Video.....MPEG-4 AVC/H.264  
Audio.....MPEG-4 AAC-LC (stereo)

## Power

Battery Pack .....NB-13L

Number of still image shots (CIPA compliant: room temperature 23°C / 73°F)	approx. 265 shots
Number of still image shots (Eco Mode On)	approx. 370 shots
Movie recording time (CIPA compliant: room temperature 23°C / 73°F)	approx. 60 min.
Movie recording time (continuous shooting)	approx. 100 min.
Playback time*	approx. 4 hr.

\* Time when playing back a slideshow of still images

## Interface

### Wired

Digital terminal.....Micro USB  
HDMI OUT terminal.....Type D

### Wireless

#### Bluetooth

Compliance standards.....Bluetooth Ver. 4.1  
(Bluetooth low energy technology)

#### Wi-Fi

Compliance standards.....IEEE802.11n/g/b  
Transmission frequency

Frequency.....2.4 GHz  
Channels.....1-11ch

#### Security

Infrastructure mode.....WPA2-PSK (AES/TKIP),  
WPA-PSK (AES/TKIP), WEP  
\* Wi-Fi Protected Setup compliant  
Camera access point mode.....WPA2-PSK (AES)

## Operating Environment

Temperature.....Min. 0 °C, Max. 40 °C  
(Min. 32 °F, Max. 104 °F)

## Dimensions (CIPA compliant)

W.....approx. 110.1 mm (4.33 in.)

H.....approx. 63.8 mm (2.51 in.)

D.....approx. 39.9 mm (1.57 in.)

## Weight (CIPA compliant)

Including Battery Pack,

Memory Card.....approx. 299 g (approx. 10.5 oz.)

Camera Body Only.....approx. 275 g (approx. 9.7 oz.)

### ■ Battery Pack NB-13L

Type: Rechargeable lithium-ion battery  
Nominal Voltage: 3.6 V DC  
Nominal Capacity: 1250 mAh  
Charging Cycles: Approx. 300 times  
Operating Temperatures: 0 – 40 °C (32 – 104 °F)

### ■ Battery Charger CB-2LH/CB-2LHE

Rated Input: 100 – 240 V AC (50/60 Hz)  
0.09 A (100 V) – 0.06 A (240 V)  
Rated Output: 4.2 V DC, 0.7 A  
Charging Time: Approx. 2 hr. 10 min. (when using NB-13L)  
Operating Temperatures: 5 – 40 °C (41 – 104 °F)

### ■ Compact Power Adapter CA-DC30/CA-DC30E

Rated Input: 100 – 240 V AC (50/60 Hz)  
0.07 A (100 V) – 0.045 A (240 V)  
Rated Output: 5.0 V DC, 0.55 A  
Charging Time: Approx. 2 hr. 50 min.\* (when charged with NB-13L in the camera)  
\* Charging time varies considerably depending on the remaining battery level.  
Operating Temperatures: 5 – 40 °C (41 – 104 °F)