

EV (Exposure Value)

All the combinations of the camera's shutter speed and lens aperture that result in the same exposure.

EV Compensation

This feature allows you to quickly adjust the exposure value measured by the camera, in limited increments, to improve the exposure of your photos.

Exif (Exchangeable Image File Format)

A specification to define an image file format for digital cameras created by the Japan Electronic Industries Development Association (JEIDA).

Exposure

The amount of light allowed to reach the camera's sensor. Exposure is controlled by a combination of the shutter speed, the aperture value, and ISO sensitivity.

Flash

A speed light that helps to create adequate exposure in low-light conditions.

Focal length

The distance from the middle of the lens to its focal point (in millimeters). Longer focal lengths result in narrower angles of view and the subject is magnified. Shorter focal lengths result in wider angles of view.

Histogram

A graphical representation of the brightness of an image. The horizontal axis represents the brightness and the vertical axis represents the number of pixels. High points at the left (too dark) and right (too bright) on the histogram indicate a photo that is improperly exposed.

H.264/MPEG-4

A high-compression video format established by international standard organizations ISO-IEC and ITU-T. This codec is capable of providing good video quality at low bit rates developed by the Joint Video Team (JVT).

Image sensor

The physical part of a digital camera that contains a photosite for each pixel in the image. Each photosite records the brightness of the light that strikes it during an exposure. Common sensor types are CCD (Charge-coupled Device) and CMOS (Complementary Metal Oxide Semiconductor).

IP (Internet protocol) address

An IP address is a unique number that is assigned to every device that is connected to the internet.

ISO sensitivity

The sensitivity of the camera to light, based on the equivalent film speed used in a film camera. At higher ISO sensitivity settings, the camera uses a higher shutter speed, which can reduce blur caused by camera shake and low light. However, images with high sensitivity are more susceptible to noise.

JPEG (Joint Photographic Experts Group)

A lossy method of compression for digital images. JPEG images are compressed to reduce their overall file size with minimal deterioration of the image resolution.

Metering

The metering refers to the way in which the camera measures the quantity of light to set the exposure.

MF (Manual Focus)

A system that manually focuses the camera lens on the subject. You can use the focus ring to focus on a subject.

MJPEG (Motion JPEG)

A video format which is compressed as a JPEG image.

MPO (Multi Picture Object)

An image file format that contains multiple images in a file. An MPO file provides a 3D effect on MPO-compatible displays, such as 3D TVs or 3D monitors.

Noise

Misinterpreted pixels in a digital image that may appear as misplaced or random, bright pixels. Noise usually occurs when photos are shot with a high sensitivity or when a sensitivity is automatically set in a dark place.

NTSC (National Television System Committee)

A video color encoding standard used most commonly in Japan, North America, the Philippines, South America, South Korea, and Taiwan.

Optical zoom

This is a general zoom which can enlarge images with a lens and does not deteriorate quality of images.

PAL (Phase Alternate Line)

A video color encoding standard used in numerous countries throughout Africa, Asia, Europe, and the Middle East.

Quality

An expression of the rate of compression used in a digital image. Higher quality images have a lower rate of compression, which usually results in a larger file size.

RAW (CCD raw data)

The original, unprocessed data, collected directly from the camera's image sensor. White Balance, contrast, saturation, sharpness, and other data can be manipulated with editing software before the image is compressed into a standard file format.

Resolution

The number of pixels present in a digital image. High resolution images contain more pixels and typically show more detail than low resolution images.

Shutter speed

Shutter speed refers to the amount of time it takes to open and close the shutter, and it is an important factor in the brightness of a photo, as it controls the amount of light which passes through the aperture before it reaches the image sensor. A fast shutter speed allows less time to let light in and the photo becomes darker and more easily freezes subjects in motion.

sRGB (Standard RGB)

International standard of color space established by the IEC (International Electrotechnical Commission). This is defined from color space for PC monitors and is also used as the standard color space for Exif.

Vignetting

A reduction of an image's brightness or saturation at the periphery (outer edges) compared to the center of the image. Vignetting can draw interest to subjects positioned in the center of an image.

White Balance (Color balance)

An adjustment of the intensities of colors (typically the primary colors red, green, and blue), in an image. The goal of adjusting the White Balance, or color balance, is to correctly render the colors in an image.

Wi-Fi

Wi-Fi is a technology that allows electronic devices to exchange data wirelessly over a network.

WPS (Wi-Fi Protected Setup)

WPS is a technology that secures wireless home networks.

Optional accessories

Lens



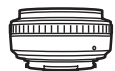
SAMSUNG 18-55 mm
F3.5-5.6 OIS III



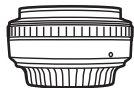
SAMSUNG 20-50 mm
F3.5-5.6 ED II



SAMSUNG 16 mm F2.4



SAMSUNG 20 mm F2.8



SAMSUNG 30 mm F2



SAMSUNG 50-200 mm
F4-5.6 ED OIS II

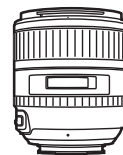


SAMSUNG 60 mm F2.8
Macro ED OIS SSA

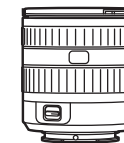


SAMSUNG 18-200 mm
F3.5-6.3 ED OIS

Lens



SAMSUNG 85 mm F1.4 ED SSA



SAMSUNG 12-24 mm F4-5.6 ED

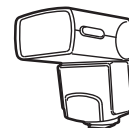


SAMSUNG 45 mm F1.8

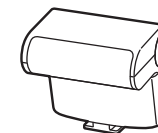


SAMSUNG 45 mm F1.8 [T6] 2D/3D

External flash



SEF42A


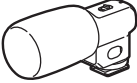
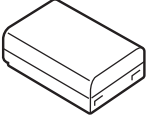
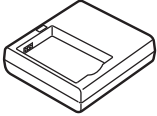
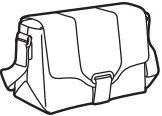


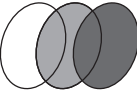


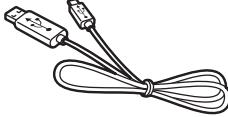
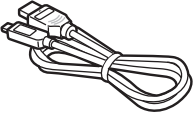
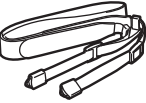
SEF220A

GPS



GPS10

Shutter release (micro USB type)	Microphone
 <p data-bbox="266 432 370 455">SR2NX02</p>	 <p data-bbox="699 432 763 455">EM10</p>
Rechargeable battery	Battery charger
 <p data-bbox="274 683 369 706">BP1130</p>	 <p data-bbox="680 683 788 706">BC3NX01</p>
Camera bag	Camera case
	
Memory card	Filter
	

USB cable	HDMI cable
	
Strap	
	



- These illustrations may differ from your actual items. Refer to the user manuals of these optional accessories for details.
- Use only Samsung-approved accessories. Samsung is not responsible for damage caused by using another manufacturer's accessories.

A

Adobe Photoshop Lightroom 163

AllShare Play 137

Aperture 15, 19

Auto Backup 129

Auto focus 76

B

Battery

Caution 173

Charging 33

Insert 32

Best Face mode 61

Bracketing 88

C

Camera

Connecting as removable disk 156

Connecting to PC 156

Disconnecting (Windows) 157

Layout 29

Camera specifications 180

Charging 33

Color space 144

D

Date & Time 149

Depth of Field (DOF) 16, 21

Digital Print Order Format (DPOF)
110

DIRECT LINK 31

Display brightness 148

Display type 41

Drive 86

E

Enlarging 109

Exposure Value (EV) 15, 98

F

Fader 101

Files

Deleting 107

Photo type 70

Protecting 106

Video type 100

Flash

Bounce photography 26

Flash options 90

Guide number 25

Intensity 91

F-number 15

Focal length 20

Focus assist 84

Focus Peaking 84

I

Icons

Playback mode 40

Shooting mode 38

i-Function 57

i-Launcher 159

Image adjustment

Adjusting photos 115

Red-eye 116

Retouching faces 116

ISO sensitivity 71

i-Zoom 59

L

Lenses

Layout 42

Locking 43

Markings 45

Unlocking 44

M

Maintenance 166

Memory card

Caution 169

Insert 32

Metering 93

MobileLink 125

O

One touch shot 83

Optical Image Stabilization (OIS) 85

Optional accessories

- Attach the GPS module 49
- Connect the flash 47
- Flash layout 46
- GPS module layout 49

P

Panorama mode 62

Photos

- Editing 113
- Enlarging 109
- Shooting options 69
- Viewing on 3D TV 155
- Viewing on camera 104
- Viewing on HDTV 154

Picture Wizard 75

Posture 13

Power save mode 149

R

Red-eye effect

- Playback mode 116
- Shooting mode 91

Remote Viewfinder 127

Resolution

- Playback mode 114
- Shooting mode (Movie) 100
- Shooting mode (Photo) 69

Retouching faces 116

Rotating 114

Rule of thirds 23

S

Service center 177

Settings 148

Shooting modes

- Aperture Priority 54
- Lens Priority 57
- Manual 56
- Program 53
- Recording 64
- Shutter Priority 55
- Smart 60
- Smart Auto 51

Shutter speed 17, 19

Slide show 109

Smart filter

- Playback mode 117
- Shooting mode 97

Smart panel 37

T

Thumbnails 104

Timer 87

Touch AF 82

Touch screen 35

Tracking AF 82

Transferring files

- Mac 157
- Windows 156

TV 154

U

Unpacking 28

V

Video Out 149

Videos

- Capturing 112
- Options 100
- Recording 64
- Viewing 111

W

White balance 72

Wireless network 119

3

3D mode 65



**Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)**

(Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.



Correct disposal of batteries in this product

(Applicable in countries with separate collection systems)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

CAN ICES-3 (B)/NMB-3(B)

Dispose unwanted electronics through an approved recycler.
To find the nearest recycling location, go to our website:
www.samsung.com/recyclingdirect Or call, (877) 278 - 0799

FCC notice

Caution:

Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorientate, or relocate, the receiving antenna.
- Increase the distance between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Declaration of Conformity

Trade Name : Samsung Electronics America, Inc.
 Model No. : Samsung NX2000
 Responsible Party : Samsung Electronics America, Inc.
 Address : 85 Challenger Road, Ridgefield Park, NJ 07660
 Telephone No. : 1-800-SAMSUNG (726-7864)

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF exposure statements:

This device is for handheld operation only. The antenna used for this transmitter must not be co-located with any other transmitters except in accordance with FCC multi-transmitter product procedures.

CAUTION

**RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.**

This device complies with Industry Canada License-Exempt RSS standard (S)
Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Caution:

Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user's authority to operate the equipment.

IC: 649E-NX2000

This equipment may be operated in all EU countries.
In France, this equipment may only be used indoors.



Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.

RF du FCC d'exposition aux radiations: Cet equipement est conforme a l'exposition de la FCC rayonnements RF limites etablies pour un environnement non controle. Cet appareil et son antenne ne doivent pas etre co-localises ou fonctionnant en conjonction avec une autre antenne ou transmetteur.

L tenne pour ce transmetteur ne doit pas etre meme endroit avec d tres emetteur sauf conformement a la FCC procedures de produits Multi-emetteur.



Please refer to the warranty that came with your product
or visit our website www.samsung.com for after-sales service or inquiries.

