

KeyMission™



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At the heart of the image™

170° ultra-wide-angle 4K action camera: seize the moment

Waterproof, shockproof action camera that can capture 170° wide-angle and 4K video. Record sensational video, with a range of versatile functions available to maximize enjoyment. Easy to use, even for newcomers, your adventures can be recorded as dynamic and striking images with this small, wearable camera.



New *KeyMission 170*

170°
FIELD-OF-VIEW

4K
UHD VIDEO

Movies/
Stills

e-VR

WATERPROOF
33ft

SHOCKPROOF
6.6ft

Dustproof

FREEZEPROOF
14°F

Bluetooth®

Time-lapse
movie

SUPER LAPSE
MOVIE

Loop
recording

KeyMission
360/170
Utility

SNAPBRIDGE
360°/170°

OPTIONAL
ACCESSORIES

<Supplied accessories>
 EN-EL12 Rechargeable Li-ion battery, EH-73P Charging AC Adapter, UC-E21 USB Cable, AA-1B Base Adapter, AA-2 Base Mount (Flat), AA-3 Base Mount (Curved), AA-14B Lens Protector, AA-15B Underwater Lens Protector, ML-L6 Remote Control (includes Remote Control Battery; 3V CR2032 lithium battery)

KeyMission 170



Dynamic, 170° ultra-wide-angle action video with e-VR

4K UHD 4K UHD movie capability enables you to record at a resolution four times higher than Full HD. Because fine details can be expressed in sharp, high resolution, you can achieve images that really draw you into their story.

Not only that, but the 170° ultra-wide-angle lens allows you to record the most dynamic, striking images. The excitement of adventures in the great, wide outdoors can be captured in all its glory. Helping the camera stand out from the competition, electronic Vibration Reduction (e-VR) is employed to reduce vibrations that occur during movie recording (except when 4K UHD/30p or 4K UHD/25p is selected), while a wind noise reduction function provides clear sound.

Waterproof and shock-resistant: down to 33 ft without housing, 131 ft with housing.

With waterproof performance down to 33 ft^{*1}, for the camera body without housing you can enjoy shooting around water and marine sports. Shockproofing to a drop 6 ft 6 in.^{*2} protects your camera from shock in a variety of situations, such as on mountain paths or when rock climbing. The camera is also dustproof^{*3}, to a level that protects

against dust and grit when out in the field, and is capable of shooting in temperatures as low as 14°F^{*4} — making the KeyMission 170 a tough action camera for a range of adventure scenarios. Attaching the WP-AA1 Waterproof Case (optional) enables underwater shooting down to 131 ft^{*5}.

Easy to use, even for first-time action shooters

Even if you're approaching an action camera for the first time, the KeyMission 170 enables you to take beautiful images, thanks to its intuitive interface and controls. Composition and newly taken images are easily confirmed by viewing the LCD monitor. The supplied ML-L6 Remote Control enables shooting even in the heat of the action or



while wearing gloves. This is a camera that takes you beyond the surface, into the heart of the adventure.

Versatile shooting modes enhance the enjoyment of shooting

In addition to regular shooting, the KeyMission 170 offers a range of attractive shooting modes such as Add Slow Motion, and adding highlight tags during movie recording is possible. Also available are Superlapse movie, Loop recording and Time-lapse movie.

^{*1} JIS/IEC protection class 8 (IPX8) equivalent (under our testing conditions). Capacity to record images and movies underwater up to a depth of 10 m (33 ft) and for 60 minutes.

^{*2} Cleared our testing conditions compliant with MIL-STD 810F Method 516.5-Shock.

^{*3} JIS/IEC protection class 6 (IP6X) equivalent (under our testing conditions).

^{*4} -10°C—+40°C (14°F—104°F) (for land use), 0°C—40°C (32°F—104°F) (for underwater use) When the battery temperature is below 0°C (32°F), movies with the size/frame rate set to 2160/30p, 2160/25p, HS 1080/4x, or HS 720/8x cannot be recorded.

- If the battery temperature is below 0°C (32°F) before you start recording, the size/frame rate of the movie switches to 1080/30p or 1080/25p
- If the size/frame rate of the movie is set to 2160/30p, 2160/25p, HS 1080/4x, or HS 720/8x and the battery temperature drops to below 0°C (32°F) while recording, the camera stops recording and automatically turns off. The recorded movie is saved.

^{*5} The waterproof performance of the Waterproof Case WP-AA1 is equivalent to JIS/IEC waterproof grade 8 (IPX8). It is confirmed that water will not enter the waterproof case if held underwater at depths up to 40 m (131 ft) and for up to 30 minutes.

Note: These tests do not guarantee that the camera will be free from damage or trouble under all conditions.



Route shooting records each adventure, every experience

Route shooting mode records still images or movies as your experiences unfold. If you choose still images, the camera takes up to 100 stills within a specified shooting time. Alternatively, the function's movie mode automatically records 10 three-second movies within a specified period, combining them into a movie approximately 30 seconds long.

*When taking still images in route shooting, image size is limited to 2MP.



Ideal for a wide variety of outdoor scenarios

Thanks to the quick-shooting capability of this wearable camera, it is perfect for a broad range of adventure scenarios such

as mountain climbing, trekking, fishing, camping and walking.



KeyMission 360/170 Utility (for PC)



KeyMission 360/170 Utility is free software that enables you to transfer images and movies to your computer for viewing and editing. You can also use it to change the camera's settings.

To install it, download the latest version of the KeyMission 360/170 Utility installer from the website below and follow the on-screen instructions to complete installation.
KeyMission 360/170 Utility:
<http://downloadcenter.nikonimglib.com>

For system requirements and other information, check the Nikon website for your region.

SnapBridge 360/170 (for compatible smart device)



The SnapBridge 360/170 is an exclusive application for compatible smart devices, created for the KeyMission 360 and KeyMission 170. It enables you to transfer and view pictures from your camera, including 360° images, with your smart device. In addition, remote shooting, camera setting changes and image editing are all possible.

- Wireless communication is not available when the camera is underwater.

The exciting image experience that SnapBridge offers...



NIKON IMAGE SPACE



Automatic picture transfer from camera to smart device thanks to the constant connection between the two devices via *Bluetooth*® low energy (BLE) technology — making online photo sharing easier than ever

Free, unlimited upload of thumbnails to the cloud storage space NIKON IMAGE SPACE after registering for your Nikon ID

A range of services that enriches your imaging life, including:



- Camera remote control



- Automatic update of camera's time and location info

- Imprinting text, logos, etc. on pictures



- Receive camera's firmware updates

Accessory compatibility chart

✓ : Optionally available
✓ (supplied): Included and sold separately

	KeyMission 360	KeyMission 170	KeyMission 80
EH-73P Charging AC Adapter	✓ (supplied)	✓ (supplied)	✓ (supplied)
EH-62F AC Adapter	✓	✓	—
MH-65P Battery Charger	✓	✓	—
EN-EL12 Rechargeable Li-ion battery	✓ (supplied)	✓ (supplied)	—
UC-E21 USB Cable	✓ (supplied)	✓ (supplied)	✓ (supplied)
AA-1A Base Adapter	✓ (supplied)	—	✓ (requires ET-AA1 Tripod Adapter)
AA-1B Base Adapter	—	✓ (supplied)	—
AA-4 Camera Holder	—	—	✓ (supplied)
AA-5 Vented Helmet Strap Mount	✓	✓	—
AA-6 Wrist Mount	✓	✓	—
AA-7 Handlebar Mount	✓	✓	—
AA-8 Chest Mount	✓ (restrictions of use)*	✓	—
AA-9 Surfboard Mount	✓	✓	—
AA-10 Backpack Mount Clip	✓ (restrictions of use)*	✓	✓ (requires ET-AA1 Tripod Adapter and AA-1A Base Adapter)
AA-11 Suction Cup Mount	✓	✓	—
AA-12 Base Mount Set (3 Flat + 3 Curved)	✓	✓	—
AA-13 Wristband for Remote Controls	✓	✓	—
AA-14A Lens Protector	✓ (supplied)	—	—
AA-14B Lens Protector	—	✓ (supplied)	—
AA-15A Underwater Lens Protector	✓ (supplied)	—	—
AA-15B Underwater Lens Protector	—	✓ (supplied)	—
CF-AA1 Silicone Jacket (black/orange)	✓ (black supplied)	—	—
ET-AA1 Tripod Adapter	—	—	✓
ML-L6 Remote Control	✓	✓ (supplied)	—
MP-AA1 Handy Grip	✓	✓	—
WP-AA1 Waterproof Case	—	✓	—
N-MP001 Extension Arm	✓	✓	—
Tripod	✓	✓	—

*The range blocked by the user becomes wider in images captured with this accessory attached.

KeyMission 360 Major specifications

Type	Compact digital camera
Number of effective pixels	23.9 million (Image processing may reduce the number of effective pixels.)
Image sensor	1/2.3-in. type CMOS; approx. 21.14 million total pixels ×2
Lens	NIKKOR lens ×2
Focal length	1.6 mm (equivalent to 8.7 mm lens in 35mm [135] format)
f/-number	f/2
Construction	7 elements in 7 groups
Focus	Fixed focus
Focus range	Approx. 30 cm (1 ft) to ∞ from center of front surface of lens
Storage	
Media	microSD/microSDHC/microSDXC memory card
File system	DCF and Exif 2.3 compliant
File formats	Still images: JPEG Movies: MP4 (Video: H.264/MPEG-4 AVC, Audio: AAC stereo)
Image size (pixels)	• 30 M 7744 × 3872 • 7 M 3872 × 1936
Resolution/frame rate (movie options)	• When NTSC/PAL is set to NTSC 2160/24p, 1920/24p, 960/30p, 640/120p, 320/240p • When NTSC/PAL is set to PAL 2160/24p, 1920/24p, 960/25p, 640/100p, 320/200p
ISO sensitivity (Standard output sensitivity)	ISO 100–1600
Exposure	
Metering mode	Matrix
Exposure control	Programmed auto exposure, exposure compensation (−2.0 – +2.0 EV in steps of 1/3 EV)
Shutter	CMOS electronic shutter
Speed	1/8000-1 s
Self-timer	Can be selected from 10 s and 2 s
Interface	
USB connector	Micro-USB connector (Do not use any USB cable other than the included UC-E21 USB Cable.), Hi-Speed USB
HDMI output connector	HDMI micro connector (Type D)
Wi-Fi (Wireless LAN)	
Standards	IEEE 802.11b/g (standard wireless LAN protocol)
Operating frequency	2412–2462 MHz (1–11 channels)
Authentication	Open system, WPA2-PSK



Bluetooth	
Communication protocols	Bluetooth Specification Version 4.1
Power sources	One EN-EL12 Rechargeable Li-ion Battery (included), EH-62F AC Adapter (available separately)
Charging time	Approx. 2 h 20 min (when using EH-73P/EH-73PCH Charging AC Adapter and when no charge remains)
Battery life ¹	
Still images	Approx. 230 shots when using EN-EL12
Movie recording (actual battery life for recording)	Approx. 1 h 10 min when using EN-EL12
Tripod socket	1/4 (ISO 1222)
Dimensions (W × H × D)	Approx. 65.7 × 60.6 × 61.1 mm (2.6 × 2.4 × 2.5 in.) (including lens protectors)
Weight	Approx. 198 g (7 oz) (including lens protectors, battery and memory card)
Operating environment	
Temperature	−10°C to +40°C (14°F to 104°F) (for land use) 0°C to 40°C (32°F to 104°F) (for underwater use)
Humidity	85% or less (no condensation)
Waterproof performance ²	JIS/IEC protection class 8 (IPX8) equivalent (under our testing conditions) Capacity to record images and movies underwater up to a depth of 30 m (100 ft) and for 60 minutes
Dustproof performance	JIS/IEC protection class 6 (IP6X) equivalent (under our testing conditions)
Shockproof performance ³	Cleared our testing conditions ⁴ compliant with MIL-STD 810F Method 516.5-Shock

• All measurements are performed in conformity with Camera and Imaging Products Association (CIPA) standards or guidelines.
1 Battery life does not reflect the use of SnapBridge 360/170 and may vary with the conditions of use, including temperature, the interval between shots, and the length of time that menus and images are displayed.
2 The camera can be used up to a water depth of about 20 m (65 ft) when the lens protectors are attached.
3 When the lens protectors or underwater lens protectors are attached.
4 Dropped from a height of 200 cm (6 ft 6 in.) onto a surface of 5 cm (2 in.) thick plywood (changes in appearance, such as paint peeling off and deformation of the drop shock portion and waterproof performance are not subject to the test). These tests do not guarantee that the camera will be free from damage or trouble under all conditions.

KeyMission 170 Major specifications

Type	Compact digital camera
Number of effective pixels	8.3 million
Image sensor	1/2.3-in. type CMOS; approx. 12.71 million total pixels
Lens	NIKKOR lens
Focal length	2.4 mm (equivalent to 15 mm lens in 35mm [135] format)
f/-number	f/2.8
Construction	7 elements in 5 groups
Angle of view	170 degrees
Vibration reduction	Electronic VR (movies)
Focus	Fixed focus
Focus range	Approx. 40 cm (1 ft 4 in.) to ∞ (distance measured from center of front surface of lens)
Monitor	3.7 cm (1.5-in.), approx. 345k-dot, TFT LCD
Frame coverage (shooting mode)	Approx. 97% horizontal and vertical (compared to actual picture)
Frame coverage (playback mode)	Approx. 99% horizontal and vertical (compared to actual picture)
Storage	
Media	microSD/microSDHC/microSDXC memory card
File system	DCF and Exif 2.3 compliant
File formats	Still images: JPEG Movies: MP4 (Video: H.264/MPEG-4 AVC, Audio: AAC stereo)
Image size	8M (3840 × 2160)
Movie options	
Normal speed movie options	When NTSC/PAL is set to NTSC • 2160/30p • 1080/30p • 1080/60p When NTSC/PAL is set to PAL • 2160/25p • 1080/25p • 1080/50p
HS movie options	HS 1080/4x HS 720/8x
ISO sensitivity (Standard output sensitivity)	ISO 100–1600
Exposure	
Metering mode	Matrix
Exposure control	Programmed auto exposure and exposure compensation (−2.0 – +2.0 EV in steps of 1/3 EV)
Shutter	CMOS electronic shutter
Speed	1/16000 to 1/2 s
Interface	
USB connector	Micro-USB connector (Do not use any USB cable other than the included UC-E21 USB Cable.), Hi-Speed USB • Supports Direct Print (PictBridge)
HDMI connector	HDMI micro connector (Type D)



Wi-Fi (Wireless LAN)	
Standards	IEEE 802.11b/g (standard wireless LAN protocol)
Operating frequency	2412–2462 MHz (1-11 channels)
Authentication	Open system, WPA2-PSK
Bluetooth	
Communication protocols	Bluetooth Specification Version 4.1
Supported languages	Chinese (Simplified and Traditional), Dutch, English, French, German, Italian, Japanese, Korean, Russian, Spanish
Power sources	One EN-EL12 Rechargeable Li-ion Battery (included) EH-62F AC Adapter (available separately)
Charging time	Approx. 3 h (when using EH-73P/EH-73PCH Charging AC Adapter and when no charge remains)
Battery life ¹	
Still images	Approx. 250 shots when using EN-EL12
Movie recording (actual battery life for recording) ²	Approx. 60 min when using EN-EL12
Tripod socket	1/4 (ISO 1222)
Dimensions (W × H × D)	Approx. 66.4 × 46.8 × 42.7 mm (2.7 × 1.9 × 1.7 in.) (including lens protector, excluding projections)
Weight	Approx. 134.5 g (4.8 oz.) (including lens protector, battery, and memory card)
Operating environment	
Temperature	−10°C to +40°C (14°F to 104°F) (for land use), 0°C to 40°C (32°F to 104°F) (for underwater use)
Humidity	85% or less (no condensation)

Waterproof performance	JIS/IEC protection class 8 (IPX8) equivalent (under our testing conditions) Capacity to record images and movies underwater up to a depth of 10 m (33 ft) and for 60 minutes
Dustproof performance	JIS/IEC protection class 6 (IP6X) equivalent (under our testing conditions)
Shockproof performance	Cleared our testing conditions ³ compliant with MIL-STD 810F Method 516.5-Shock

- Unless otherwise stated, all figures assume a fully-charged battery and an ambient temperature of 23±3°C (73.4 ±5.4°F) as specified by the Camera and Imaging Products Association (CIPA).
- 1 Battery life does not reflect the use of SnapBridge and may vary with the conditions of use, including temperature, the interval between shots, and the length of time that menus and images are displayed.
- 2 The remaining movie recording time (the amount of time that can be recorded for an individual movie) displayed at the top of the shooting screen depends on the remaining amount of space on the memory card. Recording may end before this limit is reached if the camera temperature becomes elevated.
- 3 Dropped from a height of 200 cm (6 ft 6 in.) onto a surface of 5 cm (2 in.) thick plywood (changes in appearance, such as paint peeling off and deformation of the drop shock portion and waterproof performance are not subject to the test). These tests do not guarantee that the camera will be free from damage or trouble under all conditions.

KeyMission 80 Major specifications

Type	Compact digital camera
Number of effective pixels	Camera 1 (main camera): 12.4 million Camera 2 (camera for selfies): 4.9 million
Image sensor	Camera 1: 1/2.3-in. type CMOS; approx. 12.71 million total pixels Camera 2: 1/5-in. type CMOS; approx. 5.65 million total pixels
Lens	NIKKOR lens
Focal length (angle of view in 35mm [135] format)	Camera 1: 4.5 mm (equivalent to that of 25 mm lens) Camera 2: 1.8 mm (equivalent to that of 22 mm lens)
f/-number	Camera 1: f/2 Camera 2: f/2.2
Construction	Camera 1: 6 elements in 6 groups Camera 2: 4 elements in 4 groups
Vibration reduction	Camera 1: Lens shift (still images) ¹ Combination of lens shift and electronic VR (movies) Camera 2: Electronic VR (movies)
Focus	Camera 1: Contrast-detect AF ² Camera 2: Fixed focus
Focus range	Camera 1: Approx. 10 cm (4 in.) to ∞ Camera 2: Approx. 35 cm (1 ft 2 in.) to ∞ (All distances measured from center of front surface of the lens)
Focus-area selection	Camera 1: Center Camera 2: –
Monitor	4.4 cm (1.7-in.), approx. 230k-dot, TFT LCD (touchscreen) with 5-level brightness adjustment
Frame coverage (shooting mode)	Approx. 100% horizontal and vertical (compared to actual picture)
Frame coverage (playback mode)	Approx. 100% horizontal and vertical (compared to actual picture)
Storage	
Media	microSD/microSDHC/microSDXC memory card
File system	DCF and Exif 2.3 compliant
File formats	Still images: JPEG Movies: MP4 (Video: H.264/MPEG-4 AVC, Audio: AAC stereo)
Image size (pixels)	Camera 1: • 4:3 (12 M) (3968 × 2976) • 4:3 (2 M) (1920 × 1440) ³ • 16:9 (9 M) (3968 × 2232) • 16:9 (2 M) (1920 × 1080) ³ • 1:1 (9 M) (2976 × 2976) • 1:1 (2 M) (1440 × 1440) ³ Camera 2: • 4:3 (5 M) (2528 × 1896)
ISO sensitivity (Standard output sensitivity)	Camera 1: ISO 64 – 1600 Camera 2: ISO 64 – 800
Exposure	
Metering mode	Matrix
Exposure control	Programmed auto exposure, exposure compensation (−2.0 – +2.0 EV in steps of 1/3 EV)
Shutter	CMOS electronic shutter
Speed	1/6400 – 1 s
Interface	
USB connector	Micro-USB connector (Do not use any USB cable other than the included UC-E21 USB Cable.), Hi-Speed USB



Wi-Fi (Wireless LAN)	
Standards	IEEE 802.11b/g (standard wireless LAN protocol)
Operating frequency	2412–2462 MHz (1–11 channels)
Authentication	Open system, WPA2-PSK
Bluetooth	
Communication protocols	Bluetooth Specification Version 4.1
Supported languages	Chinese (Simplified and Traditional), Dutch, English, French, German, Italian, Japanese, Korean, Russian, Spanish
Power sources	Rechargeable lithium-ion battery (built-in)
Charging time	Approx. 2 h 30 min (when using EH-73P/EH-73PCH Charging AC Adapter and when no charge remains)
Battery life ⁴	
Still images	Approx. 220 shots when using the built-in rechargeable battery
Movie recording (actual battery life for recording) ⁵	Approx. 40 min when using the built-in rechargeable battery
LED light	Built-in
Dimensions (W × H × D)	Approx. 44.8 × 86.5 × 15.0 mm (1.8 × 3.5 × 0.6 in.) (excluding projections)
Weight	Approx. 74 g (2.7 oz) (including built-in rechargeable battery and memory card)
Operating environment	
Temperature	−10°C to +40°C (14°F to 104°F)
Humidity	85% or less (no condensation)

Waterproof	JIS/IEC protection class 7 (IPX7) equivalent (under our testing conditions) Prevents water from entering the camera underwater up to 30 minutes at a depth of 1 m (3 ft 3 in.)
Dustproof	JIS/IEC protection class 6 (IP6X) equivalent (under our testing conditions)
Shockproof	Cleared our testing conditions ⁶ compliant with MIL-STD 810F Method 516.5-Shock

- All measurements are performed in conformity with Camera and Imaging Products Association (CIPA) standards or guidelines.
- 1 Vibration reduction is disabled when using Still images in route shooting.
- 2 The camera shoots at a fixed focus when using Still images in route shooting.
- 3 When using Still images in route shooting.
- 4 Battery life does not reflect the use of SnapBridge and may vary with the conditions of use, including temperature, the interval between shots, and the length of time that menus and images are displayed.
- 5 Individual movie files cannot exceed 4 GB in size or 29 minutes in length. Recording may end before this limit is reached if camera temperature becomes elevated.
- 6 Dropped from a height of 150 cm (5 ft) onto a surface of 5 cm (2 in.) thick plywood (changes in appearance, such as paint peeling off and deformation of the drop shock portion and waterproof performance are not subject to the test). These tests do not guarantee that the camera will be free from damage or trouble under all conditions.