



## Tip sheet- shooting 360 with the Nikon Keymission 360

(For full instructions on any process outlined below, see the [Quick Start Guide.](#))


The Keymission can be used in 2 ways: The Snapbridge app can be used as a viewfinder to set up your shots. Or you can take 360 photos or video instantly at the touch of a button without using the app. This way, you will not have a viewfinder view to check your set up; it involve some guess work, which will get easier with more experience.

**To operate the camera instantly, without the app:** To take an instant 360 still photo, short-press the “photo/ on” button (on side of camera) once.

You will hear a countdown chime giving you a few seconds to move out of shot. A shutter chime will then sound, indicating that the photo has been taken. To switch off the camera, long-press the video recording button (top button with red dot) for 3 seconds until the green light goes out.

To take an instant 360 video, short-press the video record button (top button with red dot) once. A chime will sound and 2 red lights will light steadily to indicate recording is in progress. Short-press the record button again to stop recording. The red lights will flash for a few seconds then go out. To switch off the camera, long-press the video recording button (top button with red dot) for 3 seconds until the green light goes out.

**To operate the camera remotely with the app:** Ensure Blue Tooth and Wi-fi are enabled on your device, open the app and follow the prompts to pair your device with the camera. Starting with the camera switched off, you will be prompted to long-press the video record button (top button with red dot) until you hear a chime, then continue to hold until the green lights are flashing alternately. The camera is ready for pairing. For full instructions, refer to the [Quick Start Guide.](#)

Once your camera is paired with your device you can select  **Camera → Remote photography** (the device will need to switch over to a Wi-Fi connection with the camera, which may take a couple of minutes.) You may then view the output of your camera through your device, and set up your shot as desired. Simply then hit the onscreen shutter (white) button to take a 360 still, or the onscreen record button (red) to record video. Tap again to stop recording. The device will need a little time to process the image or video, during which time a ‘spinner’ will appear onscreen.


To turn the camera off at any time, long-press the video record button (top button with red dot) until the green indicator light goes out.

## Need further information?

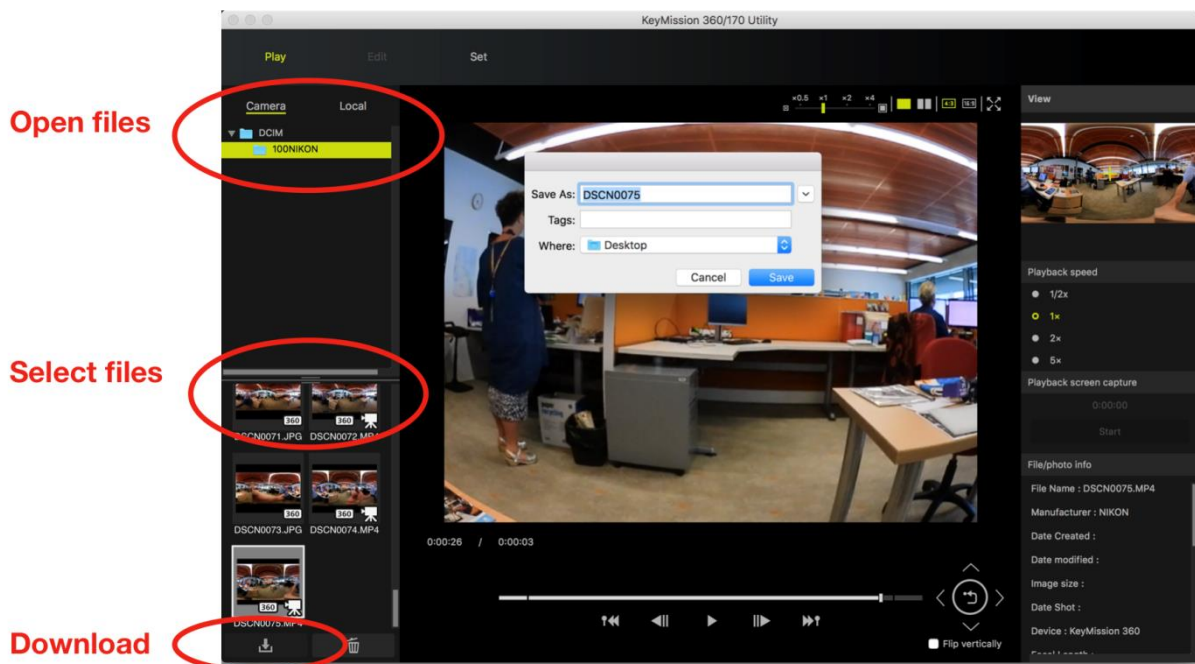
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**To download your files after your shoot:** the quickest way is via a desktop PC or laptop. Download and install “Keymission 360/170 Utility” for Windows or Mac. Plug in your camera with its accompanying USB cable and start up the Utility software. The software will detect the connected camera and open. Your camera files will appear in the panel at left. Open the 100NIKON folder and highlight the files to download and then click the download button. 

Your file explorer will ask you to select the download location and then click OK.



## Shooting tips

- Make sure there is something visually engaging on all sides of the camera when setting up your shots. Always ask yourself "Would the viewer lose anything worthwhile if this shot wasn't in 360?" If the answer could be no, perhaps reconsider your set up.
- Ideally, the camera should be positioned to roughly represent the eye-line of the viewer, as if they were standing on the location in person. Maintain the camera level to the horizon, with no 'artistic' angles.
- In a 360 shot, due to its curved spherical nature, objects will appear to be much further away to the viewer than they would in a traditional photograph or video image. So as well as ensuring there is something of visual interest on all sides of the camera, ensure that principal subjects such as presenters should be no more than 1-2 metres away from the camera. The ideal distance for background scenery will of course depend on its size and scale.

## Need further information?

(07) 3840 7810 | [www.slq.qld.gov.au/preservation](http://www.slq.qld.gov.au/preservation)



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- 360 cameras tend to have a master camera and a secondary camera. The master camera is generally the one which features the manufacturer's logo on the same side. This is the camera you should aim at your main action, as this is the position the scene will start at by default when played back.
- When shooting live video, keep camera movement to a minimum, especially panning (left/ right movement), titling (up/ down movement) or rotating the camera. Camera movement in 360 video can work if kept fairly linear, such as application in adventure sports or driving tours, using head or car mounted cameras. Remember that the unique feature of viewing 360 video is that the navigation and movement within the image is in the hands of the viewer, not the videographer.
- Be aware of 'stitch lines'. This is where the images from the front and rear lens' abut each other, resulting in a fine blurred line in the image. This line is often discrete and may be more noticeable on video output from some cameras more than others. Regardless which camera you use, it is best not to have anything of major importance, such as people, in that part of the image, directly to the sides of the camera. As you gain more experience, you will get used to how best to position your camera to minimise this effect. Using the app as a viewfinder, as outlined above, can help you to position your camera for best results.
- Try not to have extremely bright light sources (eg the sun) right in front of either the main or rear cameras. If shooting in bright sunlight, try to have the sun somewhat to the side, preferably somewhere within the "stitch line" zone, to minimise glare in the main portion of your shots.
- Try to use some sort of support for your camera to aid stability. A regular tripod would do, but a light stand is even better, as the legs are less obtrusive and can be masked more easily in your downward view. Remember, a 360 camera sees everything!

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