

About This App

Dec.1, 2024

1. **App Name:** Shootway
2. **Overview:** Shootway is an app that allows you to easily record the position and attitude of the camera while taking photos.

3. Main Features:

3.1 Feature 1: Taking Photos and Recording Shooting Date/Time, Location, and Camera Attitude

- Tap the "Take Photo" button on the initial screen to launch the camera.
- Tap the "TAKE PHOTO" button to take a photo, which will then transition to the map screen. Simultaneously, the time, location, and attitude information will be recorded. The recorded data included in such information are;
 - **Time Information:** Date and Time
 - **Location Information:** Latitude, Longitude, and Altitude
 - **Attitude Information:** Bearing, Elevation, and Twist
- Latitude, Longitude, and Bearing will be automatically displayed with an arrow on the map. The arrow's starting point represents the latitude and longitude, while its direction indicates the bearing.
- To save the photo, press the "SAVE" button. You can also adjust the Latitude, Longitude, and Bearing by pressing the "ADJUST" button. Refer to "Remarks : how to ADJUST" below for instructions.
- After clicking "SAVE", the Photo with QR code ("PQ") is saved in the "Shootway" folder. The QR code contains the URL of Shootway.com with above Time, Location, and Attitude Information.
- The QR code in PQ can be read by normal camera app or this app's "Read QR" in the menu.
- When the QR code is on the screen of the phone, it can be read by QR reader apps (e.g. Google Lens) or ("Photo" on Android -> choose the PQ -> "share" -> choose Shootway).
- The photo firstly take before attaching QR code is saved in the "SW01" folder.

Remarks : how to ADJUST

- After taking a photo with "Take Photo" → "TAKE PHOTO", press the "ADJUST" button on the map screen that shows the current Latitude, Longitude, and Bearing.
- A different map will be displayed, where you can adjust first 1) Bearing and then

2) Latitude and Longitude.

- 1) **Adjusting Bearing:** Rotate the map with two fingers to adjust the direction of the arrow.
 - 2) **Adjusting Latitude and Longitude:** Longclick on the desired location on the map. After the longclick, the screen will automatically return to the previous map, showing the adjusted Latitude, Longitude, and Bearing.
- For further adjustment, press the "ADJUST" button again to repeat the above process.

3.2 Feature 2: View Photo

- Press the "View Photo" button to display a list of photos.
- Select the PQ.
- If the QR code on the PQ is successfully scanned, the PQ will appear at the top of the screen, and the latitude, longitude, and bearing extracted from the QR code will be shown on the map with an arrow. The arrow's starting point represents the latitude and longitude, while its direction indicates the bearing.
- Clicking on the arrow in the map will display Time Information and detailed Latitude and Longitude, along with buttons for route search and transitioning to Google Maps.

3.3 Feature 3: Creating QR Code

- Follow these steps to create just the QR code, apart from taking photos. Such created QR codes can be used by its own, for example, by attaching to existing photos or videos.
- Choose "Make QR" in the menu.
- A map will be displayed. First, 1) specify the Bearing on the map, and then 2) specify the Latitude and Longitude.
 - 1) **Specifying Bearing:** Rotate the map with two fingers to specify the direction of the arrow.
 - 2) **Specifying Latitude and Longitude:** Longclick on the desired location on the map. After the longclick, the screen will automatically move to the data entry screen for additional data besides Latitude, Longitude, and Bearing.
- Enter each item. For data formats, refer to the [Reference] at the end.
- Press the "Validate" button.
- The QR code will be created, displayed at the bottom of the page and saved as an

image file in the "SW02x" folder.

4. **Target Users:** Shootway is designed for both individual users and business users.
5. **Contact Information:** For more detailed information about the app, please visit www.shootway.com.
6. **Privacy Policy:** The current version of Shootway does not collect personal information. For the privacy policy, please refer to the "Privacy Policy" from the menu on the initial screen of the app.
7. **Terms of Service:** For detailed terms regarding the use of the app, please refer to "Terms of Service" from the menu on the initial screen of the app.

[Reference] Data Formats Included in the QR Code

The QR code contains Time Information, Location Information, and Attitude Information. See below for the details.

1. Time Information:

- Format: Year/Month/Day Hour:Minute.Second.Millisecond Timezone
 - Year: 4 digits (Gregorian year)
 - Month: 2 digits (1 to 12)
 - Day: 2 digits (1 to 31)
 - Hour: 2 digits (0 to 23)
 - Minute: 2 digits (0 to 59)
 - Second: 2 digits (0 to 59)
 - Millisecond: 3 digits (0 to 999)
 - Timezone*: See the "Timezone notation" at the end
- *Note Timezone does not necessarily relate to the Location Information.
- Note Millisecond is unavailable to input at “3.2 Feature 2: Creating QR Codes”.

2. Location Information:

- Format: Latitude (lat), Longitude (lon), Altitude (alt)
 - Latitude: In degrees. Positive values (0 to 89.99999999) indicate the northern hemisphere, and negative values (-89.99999999 to 0) indicate the southern hemisphere.
 - Longitude: In degrees. Positive values (0 to 189.99999999) indicate the eastern hemisphere, and negative values (-189.99999999 to 0) indicate the western hemisphere.
 - Altitude: In meters. (unavailable at “3.2 Feature 2: Creating QR Codes”)

3. Attitude Information:

- Format: Bearing, Elevation, Twist
 - **Bearing:** The direction of the camera lens relative to true north, expressed in degrees from 0 to 359.9, with 0 being true north.
 - **Elevation:** The vertical angle of the camera lens relative to the horizon, with 0 as horizontal, positive values indicating downward, and negative values indicating upward angles, ranging from -89.9 to 89.9.

- **Twist:** The angle of the camera's rotation relative to the lens direction, starting from 0 at the horizontal landscape orientation, and increasing the values up to 359.9 in clockwise.
 - Note only integers are available at “3.2 Feature 2: Creating QR Codes”.
- **Timezone Notation:**
 - The Timezone’s format is "UTC," “+” or “-“, time difference from UTC. Below is the table of existing Timezone.
 - UTC+0:00
 - UTC+1:00
 - UTC+2:00
 - UTC+3:00
 - UTC+3:30
 - UTC+4:00
 - UTC+4:30
 - UTC+5:00
 - UTC+5:30
 - UTC+6:00
 - UTC+6:30
 - UTC+7:00
 - UTC+8:00
 - UTC+9:00
 - UTC+9:30
 - UTC+10:00
 - UTC+10:30
 - UTC+11:00
 - UTC+11:30
 - UTC+12:00
 - UTC+13:00
 - UTC+14:00
 - UTC-1:00
 - UTC-2:00
 - UTC-3:00
 - UTC-3:30
 - UTC-4:00
 - UTC-4:30
 - UTC-5:00

- UTC-6:00
- UTC-7:00
- UTC-8:00
- UTC-9:00
- UTC-9:30
- UTC-10:00
- UTC-11:00
- UTC-12:00
- UTC+12:45
- UTC+8:45
- UTC+5:45