

RoadVision App User Manual

User Guide

About RoadVision AI

RoadVision AI is an Indika AI Product for smartphone-based road mapping/ surveys and Artificial Intelligence based processing and analysis of road conditions.

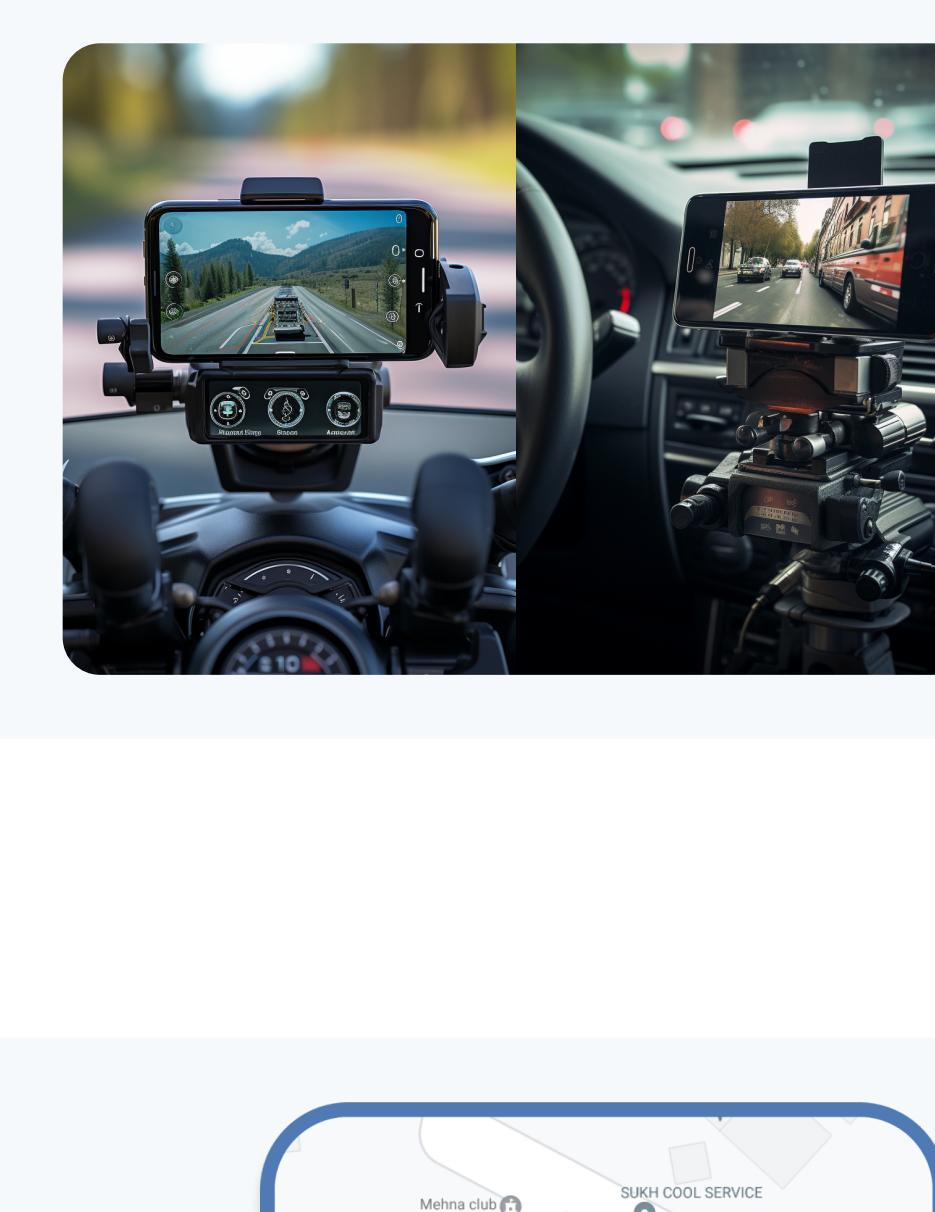
The solution comprises 2 components:

- a) RoadVision AI Mobile App - For automated road surveys and collection of visual data for road conditions.
- b) RoadVision AI Enterprise App - Client's dashboard to visualize and analyze road conditions and make decisions.

This User Guide is to explain the usage of the Mobile App for road surveys and mapping.

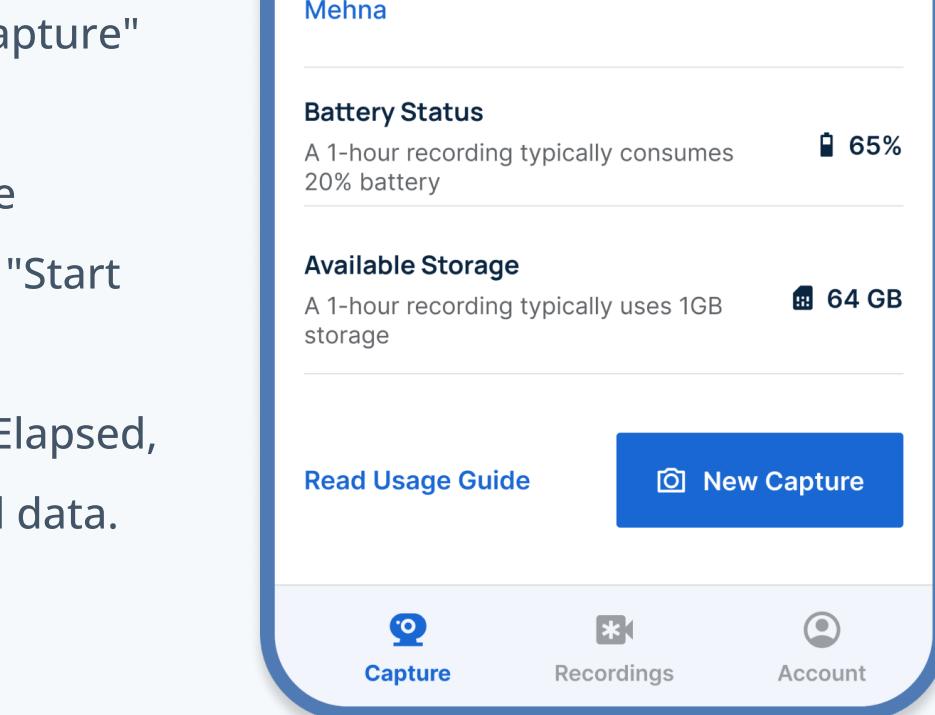
Ideal Time & Traffic Conditions for data collection

Please schedule the data collection for a bright sunny day, with no rains, etc. for clear data collection. The surveyors shall ensure that the camera would get a clear view of the road without any obstruction caused due to traffic or any other reasons.



Choosing the Vehicle

Ideally, any car that can give a clear view of the road ahead through the mounted phone would work. Make sure to clean the windshield before starting filming. If a car is unavailable, use a motorcycle and mount the phone using a mobile mount.



Get Started with the App: A User Guide for Easy Recording and Upload

Once you have downloaded the app, follow these steps to get started:

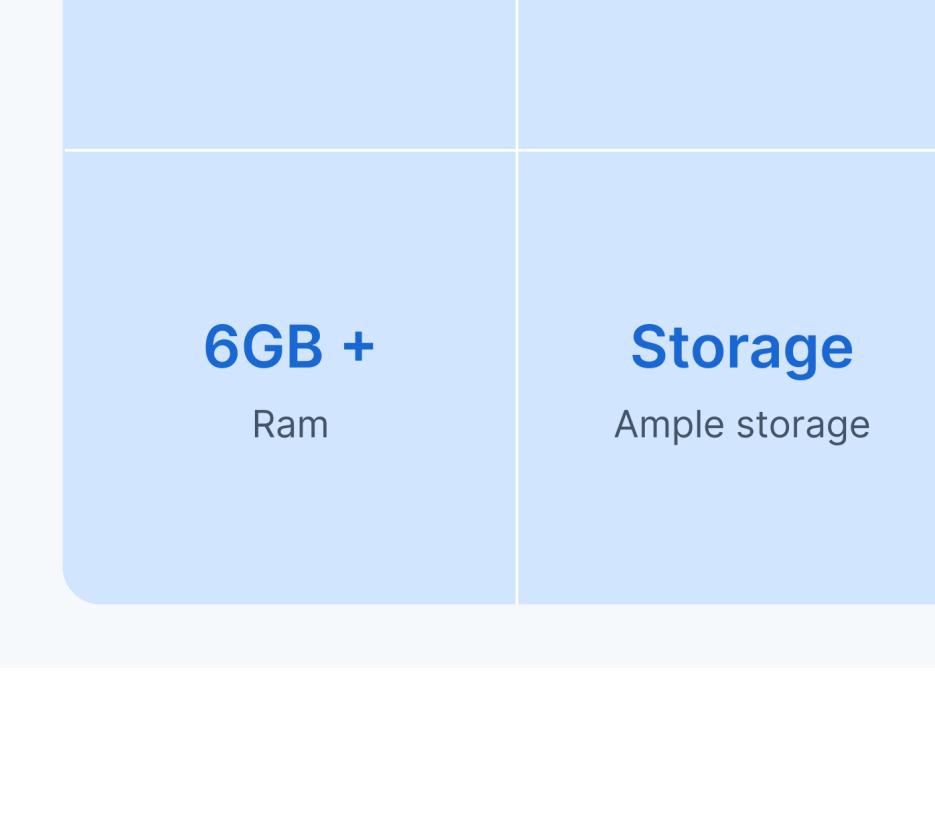
1. Create an account to begin using the app.
2. After successfully signing up, grant the app permission to access your location and camera.
3. The interface will allow you to initiate the recording. Please select the "New Capture" option.
4. Once the recording starts, your screen will display a map showing your precise location along with the ongoing recording. To start capturing the video, select "Start Capture," or choose "Cancel" to go back.
5. While the capture is in progress, you will be able to view details such as Time Elapsed, Distance Covered, Current Speed, and Latitude and Longitude of the recorded data.
6. Press "Stop Capturing" when you have finished recording, or select "Pause" to temporarily pause the capture.
7. On completing the capture, it will help you with all the details of Starting Point, Paused, Resumed, Ending Point, Starting Time, Distance Covered, Video Duration, File Size.
8. Upon completing your recording, select "Save" to upload the recording or use the "Delete" icon to remove the recorded data.

Please follow these instructions to navigate through the app and make the most of its features.



Camera Placement

Place the camera at the center of the car dashboard, the slight off-center is also fine as long as the road is clearly visible. Use mobile mounts that can be attached to windshields. Always capture videos using landscape mode on your phones. **Please check the mode before starting filming and lock the orientation to landscape mode.** The phone camera must be mounted on a stable platform, ensuring stable, not blurry footage. To achieve this, use a mounting device that holds the camera in place.



Recommendations

- Driving speed should not exceed 25-30 km/h.
- Only Android devices with Android 12 or more are supported with the RoadVision app.
- Ensure you are using a device with 6GB or more RAM.
- Make sure you have ample storage space left on your phone.

25-30km/h	Driving Speed
6GB +	Ram

Video Quality

- The road should be clearly visible in its entirety or as much portion of it can be captured based on driving conditions. Use your judgment.
- Duration of video is also at your discretion. If your device supports longer video capture without crashing, then do capture longer videos.
- Note that if your device crashes after say 30 minutes of video capture, then data will be lost. Ensure this doesn't happen often and report any crashes or bugs as they occur.

