

Road Surface Management System Using MMS

Examine road surfaces from multiple perspectives by combining 3D point clouds, omnidirectional video, and map data.

Acquire 3D point cloud data.

Acquire 3D point cloud data using MMS*.

Extract the necessary information.

Extract necessary information from 3D point cloud data and map information through simple operations.

Check road surface conditions.

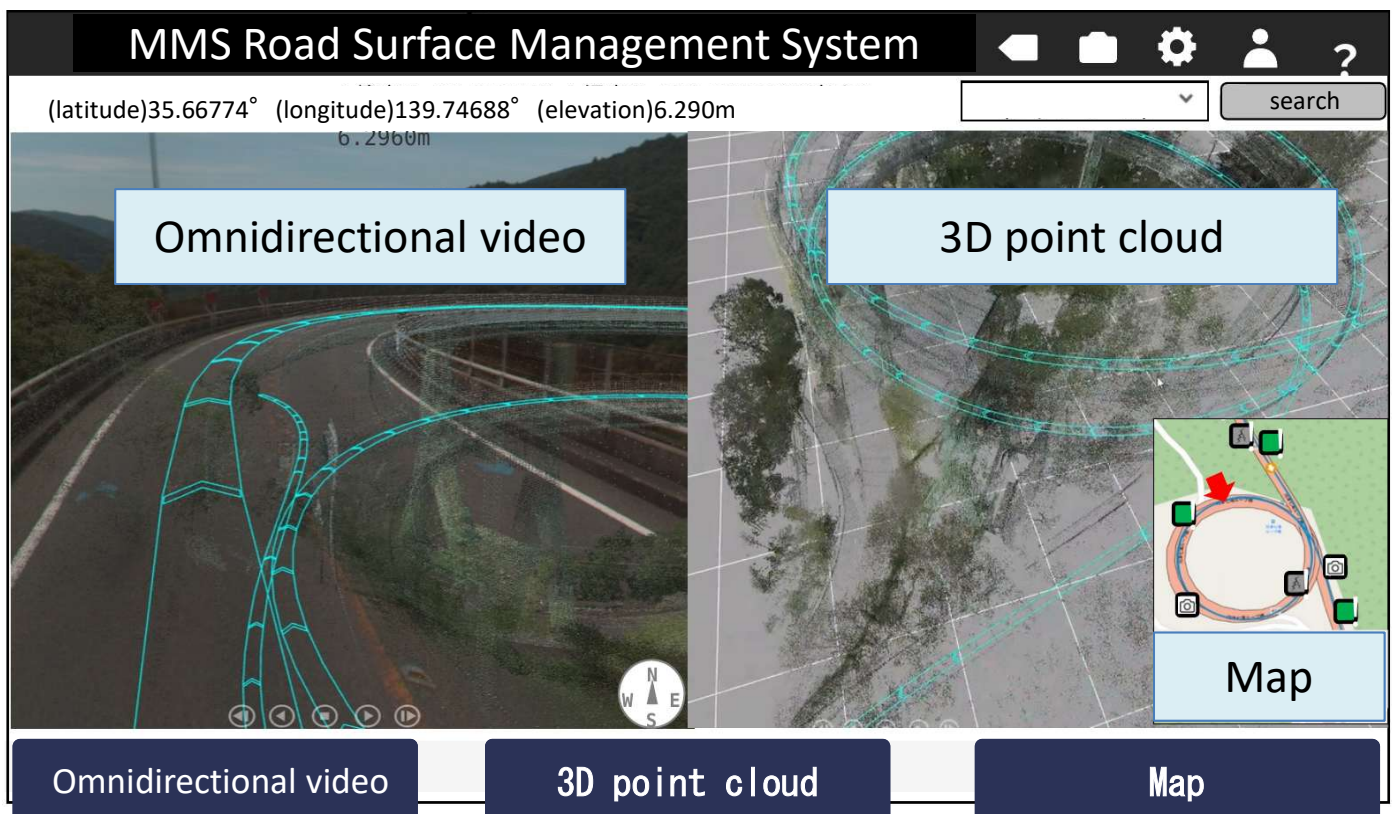
Import management zones and road surface cracks created using 3D models.

Synchronized display of video and point clouds

Simultaneously capture omnidirectional video and display it in conjunction with a 3D point cloud.

System Image

*MMS:Mobile Mapping System



From data acquisition to verification

Acquire data via MMS

- 3D point cloud data
- Omnidirectional video



Analysis and Import

Importing road surface cracks and management sections



Check the system.

Synchronized display of video, 3D point clouds, and maps.

Recommended System Requirements

On-premises servers are recommended to handle large-volume 3D point clouds and high-resolution omnidirectional video.